

Technology (General)

- Periodicals and societies. By language of publication
 - 1 English
 - 2 French
 - 3 German
 - 4 Other languages (not A-Z)
 - (5) Yearbooks
 - see T1+
 - 6 Congresses
 - Industrial museums, etc. see T179+
 - International exhibitions see T391+
 - 7 Collected works (nonserial)
 - 8 Symbols and abbreviations
 - Dictionaries and encyclopedias
 - 9 General works
 - 10 Bilingual and polyglot
 - Communication of technical information
 - 10.5 General works
 - Information centers
 - 10.6 General works
 - Special countries
 - United States
 - 10.63.A1 General works
 - 10.63.A2-Z By region or state, A-Z
 - 10.65.A-Z Other countries, A-Z
 - 10.68 Risk communication
 - 10.7 Technical literature
 - 10.8 Abstracting and indexing
 - Language. Technical writing
 - Cf. QA42 Mathematical language. Mathematical authorship
 - 11 General works
 - 11.3 Technical correspondence
 - 11.4 Technical editing
 - 11.5 Translating
 - 11.8 Technical illustration
 - Cf. Q222 Scientific illustration
 - Cf. T351+ Mechanical drawing
 - 11.9 Technical archives
 - Industrial directories
 - 11.95 General works
 - By region or country
 - United States
 - 12 General works
 - 12.3.A-Z By region or state, A-Z
 - Subarrange each country by Table T4a
 - 12.5.A-Z Other regions or countries, A-Z
 - Subarrange each country by Table T4a
 - 13 General catalogs. Miscellaneous supplies
 - 14 Philosophy. Theory. Classification. Methodology
 - Cf. CB478 Technology and civilization
 - 14.5 Social aspects
 - Class here works that discuss the impact of technology on modern society
 - For works on the role of technology in the history and development of civilization see CB478
 - Cf. HM846+ Technology as a cause of social change
 - History
 - Including the history of inventions
 - 14.7 Periodicals, societies, serials, etc.

- History -- Continued
- 15 General works
- 16 Ancient
- 17 Medieval
- 18 Modern
- 19 19th-20th centuries
- 20 20th century
- Including "technological wonders of the modern world"
- Special regions or countries
- America. United States
- 21 General works
- Special divisions (United States)
- 21.5.A-Z By region, A-Z
- e.g.
- 21.5.N4 New England
- 22.A-.W States, A-W
- 22.5.A-Z Cities, A-Z
- Canada
- 23.A1 General works
- 23.A3-Z By region or province, A-Z
- Under each province:*
- .x General works
- .x3A-.x3Z Special cities, A-Z
- 24 Latin America. West Indies (Table T4)
- 25 South America (Table T4)
- 26 Europe (Table T4)
- 27 Asia (Table T4)
- 27.3 Arab countries (Table T4)
- 28 Africa (Table T4)
- Australia
- 29.A1 General works
- 29.A3-Z By region or state, A-Z
- Under each state:*
- .x General works
- .x3A-.x3Z Special cities, A-Z
- 29.5 New Zealand
- 30 Pacific Islands (Table T4)
- 31 Arctic regions
- (32) Primitive peoples
- see GN429+
- 33 Lost arts
- 35 Historical atlases of progress, invention, etc.
- 36 Women in technology
- 37 Industrial archaeology
- For local areas see T21+
- Biography
- Including inventors
- 39 Collective
- 40.A-Z Individual, A-Z
- Class preferably with special subject in classes TA-TT
- General works
- 44 Before 19th century
- 45 19th century and later
- 47 Elementary and popular works. Home educators
- 48 Juvenile works
- 49 Pocketbooks. Receipts. Formulas

- General works
 - Pocketbooks. Receipts. Formulas -- Continued
 - Early to 1800 see T44
- 49.5 General special
 - Including international cooperation
- Addresses, essays, lectures see T185
- 50 Technical measurement
 - Cf. TA329+ Engineering mathematics
 - Cf. TS172 Tolerances
- 50.5 Metric system in industry
 - Class metric system in special industries with the industry
 - Cf. QC90.8+ Metric system (General)
- 51 Tables
 - Cf. TA151 Engineering (General)
 - Cf. TA635 Structural engineering (General)
 - Cf. TH151 Building (General)
 - Cf. TH434+ Estimates, quantities and cost (Building)
- (54) Dangerous occupations. Industrial accidents
 - see HD7262+
- Industrial safety. Industrial accident prevention
 - Cf. TA169.7 System safety
 - Cf. TS175 Safety of consumer products
- 55.A1 Periodicals, societies, congresses, etc.
- 55.A2-Z General works
- 55.2 Study and teaching
- 55.25 Research
- 55.3.A-Z Special topics, A-Z
 - Including special measures and appliances
- 55.3.A87 Authorship of safety manuals
- 55.3.A93 Awards programs
- 55.3.B43 Behavior modification
- 55.3.B56 Biorhythms and industrial accidents
- 55.3.C6 Color as a safety measure
- 55.3.E44 Electronic alarm systems
- 55.3.E96 Explosion prevention and protection
- 55.3.F35 Falls (Accidents) prevention and protection
- 55.3.G3 Gas masks. Respirators
- 55.3.H3 Hazardous substances
 - Cf. HE5623+ Transportation by country
 - Cf. TD1020+ Waste disposal
- 55.3.H45 Heights. High altitudes
- 55.3.L5 Lifting and carrying
- 55.3.M35 Manipulators
- 55.3.M37 Marking
- 55.3.P67 Posters
- 55.3.P75 Protective clothing
- Radiation environment procedures and equipment see TK9151.4+
- 55.3.S23 Safety helmets
- 55.3.S72 Statistical methods
- Working at heights see T55.3.H45

Industrial engineering

Including management engineering and management science

Class here works on the solving of management problems concerned with design, improvement, and installation of complex industrial systems of men, materials, and equipment; employing the methods of operations research and engineering analysis and design, with stress on optimum use of resources. For applications in special fields, see the field

For works on the organization and operation of industrial institutions and business enterprises see HD28+

For wage and salary administration see HD4909+

For labor relations see HD6958.5+

For industrial psychology see HF5548.7+

For personnel management see HF5549+

For industrial safety see T55+

For engineering economy see TA177.4+

For production management see TS155+

55.4 Periodicals. Societies. Collections

55.45 Congresses

55.5 Dictionaries and encyclopedias

55.52 Symbols and abbreviations

55.54 Directories

55.6 History

Special countries

United States

55.7 General works

55.72.A-.W States, A-W

55.74.A-Z Other American countries, A-Z

55.75.A-Z Europe. By country, A-Z

55.76.A-Z Africa. By country, A-Z

55.77.A-Z Asia. By country, A-Z

55.775 Australia

55.778 New Zealand

Biography

55.8 Collective

55.85.A-Z Individual, A-Z

General works

55.9 Early to 1930

56 Treatises

56.23 Pocketbooks, tables, etc.

56.24 General special

56.25 Addresses, essays, lectures

56.3 Industrial engineering as a profession. Industrial engineers. Management consultants

Study and teaching

56.4 General works

56.42 Research

56.8 Project management

Applied mathematics. Quantitative methods

57 General works

57.2 Problems, exercises, etc.

Probability theory

57.3 General works

Stochastic processes

Cf. TS160+ Inventory control

57.32 General works

57.33 Renewal theory

	Industrial engineering
	Applied mathematics. Quantitative methods -- Continued
	Statistical methods
	Cf. HA154+ Statistical data
	Cf. TS156+ Quality control
	Cf. TS173 Reliability
	Cf. TS178.5 Line balancing
57.35	General works
57.36	Sampling theory
57.37	Experimental design
57.4	Schematic and graphic analysis
57.5	Data processing
	Cf. HF5548.125+ Business data processing
	Operations research. Systems analysis
	Cf. QA402+ Analytical methods connected with physical problems
57.6.A1	Periodicals, societies, etc.
57.6.A2-Z	General works
	Simulation
	Cf. QA76.9.C65 Computer science
	Cf. TA343 Engineering mathematics
57.62	General works
57.64	Monte Carlo method
57.65	Stochastic processes
	Programming
57.7	General works
	Linear programming
57.74	General works
	Simplex model
57.76	General works
57.77	Allocation method
57.78	Transportation method
57.79	Stochastic programming
	Nonlinear programming
57.8	General works
57.815	Convex programming
57.817	Nonconvex programming
57.82	Quadratic programming
57.825	Geometric programming
57.83	Dynamic programming
57.84	Heuristic programming
57.85	Network systems theory
	Including network analysis
	Cf. TS157.5+ Scheduling
57.9	Queuing theory. Waiting line problems
57.92	Game theory
	Cf. HD30.26 Management games
57.95	Decision theory
	Cf. HD30.23 Administrative decisions
57.97	Search theory
58.4	Managerial control systems
	Information technology. Information systems (General)
58.5	General works
	Management information systems
	Cf. HD30.213 Industrial management
	Cf. HF5549.5.C6+ Communication in personnel management
	Cf. TS158.6 Automatic data collection systems (Production control)

	Industrial engineering
	Information technology. Information systems (General)
	Management information systems -- Continued
58.6	General works
58.62	Decision support systems
	Cf. HD30.213 Industrial management
58.64	Management of information systems
	Production capacity. Manufacturing capacity
	Cf. HD69.C3 Economics
	Cf. TS176+ Manufacturing engineering
58.7	General works
58.8	Productivity. Efficiency
	Standardization
	Cf. TA368 Standards (Collections, indexes, etc.)
59.A1	Periodicals, societies, etc.
59.A2-Z	General works
59.2.A-Z	By region or country, A-Z
59.4	Mechanization
59.5	Automation
	Cf. HD45.2 Economics
	Cf. TA165 Engineering instruments
	Cf. TJ212+ Automatic control
	Cf. TJ1180+ Machine tools
	Cf. TS156.8 Process control
	Human engineering in industry. Man-machine systems
59.7	General works
59.72	Fatigue aspects of man-machine systems
59.77	Working environment
	Cf. TS187 Plant utilities
	Work measurement. Methods engineering
	Including time and motion study, work study, etc.
60.A2	Periodicals
60.A3-Z	General works
	Work measurement
60.2	General works
	Production standards
60.3	General works
60.35	Labor productivity
	Cf. HD57 Economics
	Time study
60.4	General works
60.42	Standard times
60.45	Allowances
60.47	Setup time
	Predetermined motion time systems
60.5	General works
60.52	Methods time measurement
60.55	Work sampling
	Methods engineering
60.6	General works
60.7	Motion study
60.74	Machine assignments
60.8	Work design. Job design

- Technical education. Technical schools
 - Cf. LB1594+ Industrial training in the elementary school
 - Cf. LC1081+ Industrial education (Theory)
 - Cf. LC2780.5 Industrial education of blacks and African Americans
 - Cf. T175+ Industrial research
 - Cf. TT161+ Manual training
- 61 Periodicals, societies, etc.
- 62 Congresses
- 63 Dictionaries and encyclopedias
- 64 Directories
- 65 General works
- 65.3 General special
 - Including international cooperation
- 65.5.A-Z Special methods, A-Z
- 65.5.B5 Blackboard drawing
- 65.5.B54 Blended learning
- 65.5.C3 Case method
- 65.5.C65 Computer-assisted instruction
- 65.5.M6 Motion pictures
- 65.5.P7 Programmed instruction
- 65.5.S47 Service learning
- 65.5.S9 Synthetic training devices
- 65.5.T4 Television
- History
 - 66 General works
 - 67 Ancient
 - 68 Medieval
 - 69 Modern
- Special countries
 - For special schools see T171+
- 71 America
- 72 North America
 - United States
 - 73 General works
 - 73.1 New England. North Atlantic States
 - 73.3 Southern States
 - 73.5 Central States
 - 73.7 Western States
 - 74.A-Z Special states, A-Z
 - 75.A-Z Special cities, A-Z
- Canada
 - 76 General works
 - 77.A-Z Local, A-Z
- Mexico
 - 78 General works
 - 79.A-Z Local, A-Z
- Central America
 - 80 General works
 - 81.A-Z Special countries, A-Z
- West Indies
 - 82 General works
 - 83.A-Z Special countries or islands, A-Z
- South America
 - 84 General works
 - Argentina
 - 86 General works

- Technical education. Technical schools
- Special countries
- South America
 - Argentine Republic -- Continued
 - 87.A-Z Local, A-Z
 - Bolivia
 - 88 General works
 - 89.A-Z Local, A-Z
 - Brazil
 - 91 General works
 - 92.A-Z Local, A-Z
 - Chile
 - 93 General works
 - 94.A-Z Local, A-Z
 - Colombia
 - 95 General works
 - 96.A-Z Local, A-Z
 - Ecuador
 - Guiana
 - 98 Guyana
 - 99 Suriname
 - 100 French
 - 101 Paraguay
 - 102 Peru
 - 103 Uruguay
 - 104 Venezuela
- Europe
 - 105 General works
 - Great Britain. England
 - 107 General works
 - 107.5 Colonies
 - 108.A-Z English counties or cities, A-Z
 - Ireland
 - 109 General works
 - 110.A-Z Local, A-Z
 - Scotland
 - 111 General works
 - 112.A-Z Local, A-Z
 - Wales
 - 113 General works
 - 114.A-Z Local, A-Z
 - Austria
 - 115 General works
 - 116.A-Z Local, A-Z
 - (116.H8) Hungary
 - see T128.5
 - Belgium
 - 117 General works
 - 118.A-Z Local, A-Z
 - Denmark
 - 119 General works
 - 120.A-Z Local, A-Z
 - France
 - 121 General works
 - 122.A-Z Local, A-Z

	Technical education. Technical schools
	Special countries
	Europe -- Continued
	Germany
	Including West Germany
123	General works
124.A-Z	Local, A-Z
	East Germany
124.5	General works
(124.6.A-Z)	Local
	see T124.A-Z
	Greece
125	General works
126.A-Z	Local, A-Z
	Holland
127	General works
128.A-Z	Local, A-Z
128.5	Hungary
	Italy
129	General works
130.A-Z	Local, A-Z
	Norway
131	General works
132.A-Z	Local, A-Z
	Portugal
133	General works
134.A-Z	Local, A-Z
	Russia
135	General works
136.A-Z	Local, A-Z
	Spain
137	General works
138.A-Z	Local, A-Z
	Sweden
139	General works
140.A-Z	Local, A-Z
	Switzerland
141	General works
142.A-Z	Local, A-Z
	Turkey
143	General works
144.A-Z	Local, A-Z
146.A-Z	Balkan States, A-Z
147.A-Z	Other countries, A-Z
	Asia
149	General works
	China
151	General works
152.A-Z	Local, A-Z
	India
153	General works
154.A-Z	Local, A-Z
	Japan
155	General works
156.A-Z	Local, A-Z
	Iran. Persia

- Technical education. Technical schools
 Special countries
 Asia
 Iran. Persia -- Continued
 157 General works
 158.A-Z Local, A-Z
 (159-160) Asia Minor
 see T143+
 (161-162) Siberia
 see T136
 163.A-Z Other Asian countries, A-Z
 164 Arab countries
 Africa
 165 General works
 166.A-Z Special countries, A-Z
 Indian Ocean islands
 166.5 General works
 166.6.A-Z Special divisions, A-Z
 Australia
 167 General works
 168.A-Z Local, A-Z
 168.5 New Zealand
 Pacific islands
 169 General works
 170.A-Z Special divisions, A-Z
 Special schools
 Including technical departments of universities
 Cf. TT167.A+ Manual training schools
 American schools
 171.A-Z General. By name, A-Z
 Under each school:
 .xA1-.xA4 *Official serials*
 .xA5-.xA7 *Official monographs*
 .xA8-.xZ *Nonofficial publications. By author, A-Z*
 172.A-Z Correspondence schools. By name, A-Z
 173.A-Z Other schools. By city where located, A-Z
 Expand Cutter number for city to provide alphabetical arrangement of schools, e.g.
 173.A12-.A15 Aachen, Germany. Rheinisch-Westfälische Technische Hochschule Aachen
 173.C516 Ch'eng-tu, China. Dian zi ke ji da xue
 173.L8-.L88 London, England
 173.L832 Borough Polytechnic
 173.L88 City of London Polytechnic
 Technological change
 For technological innovations in economic history see HC79.T4
 For economic aspects of technological innovations see HD45
 173.2 General works
 Special countries
 173.4 United States
 173.5.A-Z Other countries, A-Z
 Inventions see T212
 173.8 Technological innovations
 174 Technological forecasting
 174.2 Technology indicators
 174.3 Technology transfer
 Cf. HF1429 Foreign licensing agreements
 174.5 Technology assessment

- 174.7 Nanotechnology
 - Industrial research. Research and development
 - Cf. T56.42 Industrial engineering
 - Cf. TA160+ Engineering
 - Cf. TS171+ Product design
- 175 General works
- 175.5 Management. Organization
- 175.7 Research parks
 - Special countries
 - United States
 - Others, A-Z
- 176 United States
- 177.A-Z Others, A-Z
- 178.A-Z Special research laboratories. By name, A-Z
- Museums. Exhibitions of local societies
- 179 General works
 - Special museums
 - United States
- 180.A1 General works
- 180.A2-Z By city and museum, A-Z
- 183.A-Z Other regions or countries, A-Z
 - Under each country:*
 - .x *General works*
 - .x2A-.x2Z *By city and museum, A-Z*
- 185 Addresses, essays, lectures
- Patents
 - For patents pertaining to particular subjects, see the subject, e.g. TK7850 Patents in electronics
 - Cf. HD69.B7 Brand name products
- 201 Periodicals, societies, congresses, etc.
- International patent conferences
- 203 General works. By date of conference
- 205 History and discussions of international agreements ("conventions") resulting from the conferences
- 207 Collected works (nonserial)
- Addresses, essays, lectures see T333
- 209 Dictionaries and encyclopedias
- 210 Patent literature
- 210.2 Translating. Translating services
- 210.5 Directories
- 211 Theory of patents
- 212 Inventors and inventions. How to invent
 - Cf. T14.7+ History of inventions
 - Cf. T173.8 Technology innovations
- History of patents
 - By region or country
 - For patent law, see class K
 - America
 - General works (Table T5)
 - North America
 - 221 General works (Table T5)
 - 222 General works (Table T5)
 - United States
 - General works (Table T5)
 - Confederate States of America (Table T5)
 - 223 General works (Table T5)
 - 223.5 Confederate States of America (Table T5)
 - 224.A-.W States, A-W
 - Subarrange each by Table T6
 - 225.A-Z Cities, A-Z
 - Subarrange each by Table T6
 - Canada

Patents

History of patents

By region or country

America

North America

Canada -- Continued

226 General works (Table T5)

227.A-Z Provinces, A-Z

Subarrange each by Table T6

227.5 Latin America (Table T5)

228 Mexico (Table T5)

Central America

230 General works (Table T5)

231.A-Z Special countries, A-Z

Subarrange each by Table T6

West Indies

232 General works (Table T5)

233.A-Z Special islands, A-Z

Subarrange each by Table T6

South America

234 General works (Table T5)

236 Argentina (Table T5)

238 Bolivia (Table T5)

241 Brazil (Table T5)

243 Chile (Table T5)

245 Colombia (Table T5)

247 Ecuador (Table T5)

248 Guyana (Table T5)

249 Suriname (Table T5)

250 French Guiana (Table T5)

251 Paraguay (Table T5)

252 Peru (Table T5)

253 Uruguay (Table T5)

254 Venezuela (Table T5)

Europe

255 General works (Table T5)

Great Britain. England

257 General works (Table T5)

259 Ireland (Table T5)

261 Scotland (Table T5)

263 Wales (Table T5)

264.A-Z Cities or other special, A-Z

Subarrange each by Table T6

265 Austria (Table T5)

265.3 Czechoslovakia (Table T5)

265.5 Hungary (Table T5)

Belgium

267 General works (Table T5)

268.A-Z Local or special, A-Z

Subarrange each by Table T6

269 Denmark (Table T5)

271 France (Table T5)

273 Germany (Table T5)

275 Greece (Table T5)

277 Netherlands (Table T5)

279 Italy (Table T5)

Patents

History of patents

By region or country

Europe -- Continued

- 280.5 Malta (Table T5)
- 281 Norway (Table T5)
- 283 Portugal, Azores, etc. (Table T5)
- Russia in Europe
- 285 General works (Table T5)
- 286.A-Z Local or special, A-Z

Subarrange each by Table T6

- 287 Spain (Table T5)
- 288.5 Scandinavia (Table T5)
- 289 Sweden (Table T5)
- 291 Switzerland (Table T5)
- 295.A-Z Other regions and countries, A-Z
- 295.A2 Balkan Peninsula (Table T6)
- 295.A38 Albania (Table T6)
- 295.A48 Andorra (Table T6)
- 295.B3 Baltic States (Table T6)
- 295.B43 Belarus (Table T6)
- 295.B45 Benelux countries (Table T6)
- 295.B9 Bulgaria (Table T6)
- 295.F5 Finland (Table T6)
- 295.I43 Iceland (Table T6)
- 295.L285 Lapland (Table T6)
- 295.L37 Latvia (Table T6)
- 295.L78 Lithuania (Table T6)
- 295.L9 Luxemburg (Table T6)
- 295.P7 Poland (Table T6)
- 295.P75 Pomerania (Poland and Germany) (Table T6)
- 295.R6 Romania (Table T6)
- 295.S55 Slovenia (Table T6)
- 295.U95 Ukraine (Table T6)
- 295.Y8 Yugoslavia (Table T6)

Asia

- 299 General works (Table T5)
- 301 China (Table T5)
- For Hong Kong see T313.H85
- 302.5 Taiwan (Table T5)
- South Asia
- 302.9 General works (Table T5)
- India
- 303 General works
- 304.A-Z Local or special, A-Z
- Subarrange each by Table T6
- 304.5 Pakistan (Table T5)
- 304.65 Bangladesh (Table T5)
- 304.7 Sri Lanka. Ceylon (Table T5)
- 305 Japan (Table T5)
- 306.5 Korea (Table T5)
- Including South Korea
- 306.7 North Korea (Table T5)
- 307 Iran. Persia (Table T5)
- 309 Russia in Asia. Siberia (Table T5)
- 311 Turkey. Asia Minor (Table T5)

Patents

History of patents

By region or country

Asia -- Continued

- 313.A-Z Other divisions of Asia, A-Z
- 313.A3 Afghanistan (Table T6)
- 313.B54 Borneo (Table T6)
- 313.B7 Brunei (Table T6)
- 313.B8 Burma. Myanmar (Table T6)
- 313.C16 Cambodia (Table T6)
- 313.C9 Cyprus (Table T6)
- 313.G39 Gaza Strip (Table T6)
- 313.H85 Hong Kong (Table T6)
- 313.I55 Indonesia (Table T6)
- 313.I7 Iraq (Table T6)
- 313.I75 Israel (Table T6)
- 313.J6 Jordan (Table T6)
- 313.K85 Kuwait (Table T6)
- 313.L28 Laos (Table T6)
- 313.L4 Lebanon (Table T6)
- 313.M2 Macau (Table T6)
- 313.M318 Malaya (Table T6)
- 313.M32 Malaysia (Table T6)
- Myanmar see T313.B8
- 313.N4 Nepal (Table T6)
- 313.P6 Philippines (Table T6)
- 313.Q36 Qatar (Table T6)
- 313.S33 Saudi Arabia (Table T6)
- 313.S53 Singapore (Table T6)
- 313.S6 Southeast Asia (Table T6)
- 313.S94 Syria (Table T6)
- 313.T48 Thailand (Table T6)
- 313.U54 United Arab Emirates (Table T6)
- 313.V5 Vietnam (Table T6)
- 313.W48 West Bank (Table T6)
- 313.Y45 Yemen (People's Democratic Republic) (Table T6)
- 313.5 Middle East (Table T5)
- 314 Arab countries (Table T5)
- 314.5 Islamic countries (Table T5)
- Africa
- 315 General works (Table T5)
- 317 Egypt (Table T5)
- 319.A-Z Other divisions of Africa, A-Z
- 319.A4 Algeria (Table T6)
- 319.A5 Angola (Table T6)
- 319.B57 Botswana (Table T6)
- 319.B85 Burundi (Table T6)
- 319.C17 Cameroon (Table T6)
- 319.C42 Central Africa (Table T6)
- 319.C43 Central African Republic (Table T6)
- 319.C75 Congo (Brazzaville) (Table T6)
- Congo (Democratic Republic) see T319.Z3
- Côte d'Ivoire see T319.I9
- 319.D3 Dahomey (Table T6)
- 319.D55 Djibouti (Table T6)
- 319.E18 East Africa (Table T6)

Patents

History of patents

By region or country

Africa

Other divisions of Africa, A-Z -- Continued

319.E19	Eastern Africa (Table T6)
319.E8	Ethiopia (Table T6)
319.F82	French-speaking Equatorial Africa (Table T6)
319.F83	French-speaking West Africa (Table T6)
319.G23	Gabon (Table T6)
319.G45	Ghana (Table T6)
319.G92	Guinea (Table T6)
319.G94	Guinea-Bissau (Table T6)
319.I9	Ivory Coast. Côte d'Ivoire (Table T6)
319.K4	Kenya (Table T6)
319.L45	Lesotho (Table T6)
319.L49	Liberia (Table T6)
319.L74	Libya (Table T6)
319.M28	Madagascar (Table T6)
319.M3	Malawi (Table T6)
319.M34	Mauritania (Table T6)
319.M6	Morocco (Table T6)
319.M85	Mozambique (Table T6)
	Namibia see T319.S68
319.N53	Niger (Table T6)
319.N54	Nigeria (Table T6)
319.R45	Rhodesia, Southern. Zimbabwe (Table T6)
319.R9	Rwanda (Table T6)
319.S18	Sahel (Table T6)
319.S38	Senegal (Table T6)
319.S5	Sierra Leone (Table T6)
319.S59	Somalia (Table T6)
319.S6	South Africa (Table T6)
319.S64	Southern Africa (Table T6)
319.S68	Southwest Africa. Namibia (Table T6)
319.S73	Sub-Saharan Africa (Table T6)
319.S74	Sudan (Table T6)
319.S87	Swaziland (Table T6)
319.T35	Tanzania (Table T6)
319.T64	Togo (Table T6)
319.T8	Tunisia (Table T6)
319.U4	Uganda (Table T6)
319.U66	Upper Volta (Table T6)
319.W48	West Africa (Table T6)
319.Z3	Zaire. Congo (Democratic Republic) (Table T6)
319.Z34	Zambia (Table T6)
	Zimbabwe see T319.R45

Indian Ocean islands

320	General works (Table T5)
320.5.A-Z	Special islands, A-Z
320.5.M38	Mauritius (Table T6)
320.5.R48	Réunion (Table T6)

Australasia

320.7	General works (Table T5)
	Australia
321	General works (Table T5)

Patents

History of patents

By region or country

Australasia

Australia -- Continued

322.A-Z

Local or special, A-Z

Subarrange each by Table T6

322.5

New Zealand (Table T5)

322.7

Papua New Guinea (Table T5)

Pacific islands

323.A1

General works (Table T6)

323.A5-Z

Special islands, A-Z

Subarrange each by Table T6

323.2

Arctic regions (Table T5)

323.3

Antarctica (Table T5)

323.7

Developing countries (Table T5)

324

Designs and models of patents (General)

For special regions or countries see T221+

325

Trademarks

For special regions or countries, including trademarks for special products or industries of those regions or countries see T221+

333

Addresses, essays, lectures

339

Inventors' manuals. Publications of patent solicitors

Including works on how to protect, patent, and merchandise inventions

342

Industrial design coordination

Mechanical drawing. Engineering graphics

Cf. QA501+ Descriptive geometry

Cf. T11.8 Technical illustration

Cf. TA337+ Schematic and graphic methods in engineering

Cf. TJ227+ Machine drawing

351

Periodicals, societies, etc.

351.3

Dictionaries and encyclopedias

351.5

Study and teaching

352

Drawing-room management and practice

Cf. T375+ Drawing-room equipment and supplies

353

General works

353.5

Juvenile works

354

Problems, exercises, etc.

355

Structural drawing

Cf. NA2685+ Architecture

357

General special

Including tinting, standards

359

Freehand drawing for technical purposes

361

Technical blackboard drawing

Projection

362

General works

363

Orthographic projection

Including axonometric and isometric projection

365

Oblique projection

Including cavalier and cabinet projection

369

Perspective projection

Cf. NC748+ Drawing, design, illustration (Fine arts)

371

Lettering

Cf. NK3600+ Alphabets, calligraphy and initials

Cf. NK8705+ Stonework

Cf. TT360.A1+ Signs

- Mechanical drawing. Engineering graphics -- Continued
 Drawing instruments and materials
 375 General works
 377 Catalogs
 379 Working drawings and their use. Blueprint reading
 Cf. TA175 Engineering drawings
 Cf. TR915+ Reproduction of drawings
 For works on using presentation graphics software packages see P93.52+
 Computer-assisted drafting. Computer graphics
 Class here works on computer graphics used for technical applications, or for unspecified purposes
 For special applications, see the subject, e.g., TR267-TR267.5 Digital photography; P93.52-.53
 Presentation graphics software packages; N7433.8-N7433.85 Computer art; N7433.9
 Multimedia art
 385 General works
 386.A-Z Special programs, A-Z
 386.A97 AutoCAD
 386.A974 Autodesk Inventor
 386.C67 CorelDRAW
 386.O64 OpenGL
 386.S55 SolidWorks
 386.W43 WebGL
 386.Z33 ZBrush
 Exhibitions. Trade shows
 Including the great national and international exhibitions
 391 Periodicals. Societies. Collections
 393 Documents
 Cf. T395+ History
 394 Directories
 History
 395 General works
 395.5.A-Z By region or country, A-Z
 Organization, methods, classifications, etc.
 Including display techniques
 396 General works
 396.5 Display technique. Pavilions
 397.A-Z Special. By city, A-Z
 e.g.
 397.C5 Chicago. World's Columbian Exposition, 1893
 Special exhibitions
 402 Aberdeen (Table T2)
 402.2 Accra (Table T2)
 402.6 Addis Ababa, 1995 (Table T2)
 403 Adelaide, 1897 (Table T2)
 405 Agra, 1867 (Table T2)
 Agram see T992
 407 Alexandria (Table T2)
 410 Algiers (Table T2)
 412 Alma-Ata (Table T2)
 Amsterdam
 1859 (Table T2)
 1869 (Table T2)
 1883 (Table T2)
 417 Antananarivo, Madagascar
 Arrange by date; subarrange each by Table T2
 419 Antwerp, 1930 (Table T2)

Exhibitions

Special exhibitions -- Continued

420	Antwerp, 1984 (Table T2)
424	Athens (Table T2)
	Atlanta
426	1881 (Table T2)
427	1895 (Table T2)
428.7	Baghdad (Table T2)
429	Bahia, 1872 (Table T2)
430	Baltimore (Table T2)
433	Barcelona (Table T2)
436	Basel (Table T2)
439	Batavia (Table T2)
439.3	Belgrad (Table T2)
439.5	Bergen, 1898 (Table T2)
440	Berlin (Table T2)
450	Birmingham (Table T2)
452	Bogota (Table T2)
452.5	Bolzano (Table T2)
453	Bombay (Table T2)
456	Bordeaux (Aquitaine) (Table T2)
460	Boston, 1883 (Table T2)
	Brisbane
463	1875 (Table T2)
463.2	1988 (Table T2)
464	Brno
	Arrange by date; subarrange each by Table T2
	Brussels
465	Before 1910
	Arrange by date; subarrange each by Table T2
467	1910 (Table T2)
468	1935 (Table T2)
469	1958 (Table T2)
475	Bucharest (Table T2)
	Budapest
478	1885 (Table T2)
479	1896 (Table T2)
479.2	1925 (Table T2)
479.3	Later
	Arrange by date; subarrange each by Table T2
	Buenos Aires
481	1875 (Table T2)
482	1880 (Table T2)
483	1882 (Table T2)
484	1910 (Table T2)
484.5	Later
	Arrange by date; subarrange each by Table T2
485	Buffalo, 1901 (Table T2)
486	Cadiz (Table T2)
487	Cairo (Table T2)
488	Calcutta (Table T2)
489	Calicut (Table T2)
491	Canton (Table T2)
494	Capetown (Table T2)
495	Caracas (Table T2)
496	Caserta, 1864 (Table T2)

Exhibitions

Special exhibitions -- Continued

	Charleroi
496.7	1911 (Table T2)
496.8	Later
	Arrange by date; subarrange each by Table T2
497	Charleston, 1901-1902 (Table T2)
	Chicago
499	1873 (Table T2)
499.5	1883 (Table T2)
500	1893 (Table T2)
501	1933-1934 (Table T2)
502	1992 (Table T2)
507.5	Chittagong (Table T2)
	Christiania see T797
	Cincinnati
515	1870-1872 (Table T2)
516	1888 (Table T2)
517	1935 (Table T2)
519	Ciudad Trujillo (Table T2)
	Cleveland
520	1909 (Table T2)
521	Later
	Arrange by date; subarrange each by Table T2
523	Colombo, Ceylon (Table T2)
525	Constantinople (Table T2)
535	Copenhagen (Table T2)
536	Cordoba, 1871 (Table T2)
537	Cork, 1852 (Table T2)
540	Curitiba, 1875 (Table T2)
541	Dairen
	Arrange by date; subarrange each by Table T2
543	Dallas, 1936-1937 (Table T2)
544	Delhi, India (Table T2)
545	Denver, 1882-1883 (Table T2)
	Detroit
550	1892 (Table T2)
551	Later
	Arrange by date; subarrange each by Table T2
552	Djakarta (Table T2)
553	Dnepropetrovsk, 1910 (Table T2)
555	Dresden (Table T2)
	Dublin
560	1853 (Table T2)
561	1865 (Table T2)
563	Dusseldorf (Table T2)
	Dunedin
565	1865 (Table T2)
566	1925-1926 (Table T2)
570	Edinburgh (Table T2)
575	Enugu, 1997 (Table T2)
590	Florence (Table T2)
599	Fukuoka (Table T2)
606	Geneva (Table T2)
610	Genoa, 1892 (Table T2)

Exhibitions

Special exhibitions -- Continued

615	Ghent
	Arrange by date; subarrange each by Table T2
	Glasgow
618	1888 (Table T2)
618.3	1938 (Table T2)
619	Graz (Table T2)
619.5	Guadalajara, 1880 (Table T2)
620	Guatemala, 1878 (Table T2)
620.5	Guimarães, 1884 (Table T2)
621	Haarlem, 1861 (Table T2)
624	Hague (Table T2)
627	Hakodate (Table T2)
631	Hamburg (Table T2)
632	Hangchow
	Arrange by date; subarrange each by Table T2
632.5	Hannover, 2000 (Table T2)
	Hanoi
633	1902 (Table T2)
633.5	Since 1902
	Arrange by date; subarrange each by Table T2
635	Havana (Table T2)
640	Hong Kong (Table T2)
645	Indianapolis (Table T2)
647	Izmir (Table T2)
648	Jamestown, 1907 (Table T2)
650	Johannesburg (Table T2)
650.8	Kanazawa, Japan (Ishikawa Prefecture) (Table T2)
651	Karachi
	Arrange by date; subarrange each by Table T2
652	Khartoum
	Arrange by date; subarrange each by Table T2
653	Kiev (Table T2)
654	Kimberley, 1892 (Table T2)
655	Kingston, Jamaica, 1891 (Table T2)
658	Kishinev (Table T2)
670	Klagenfurt, 1838 (Table T2)
670.2	Knoxville, 1982 (Table T2)
670.4	Kobe-shi (Japan) (Table T2)
670.5	Kōchi, Japan
	Arrange by date; subarrange each by Table T2
670.7	Kure, Japan (Table T2)
670.8	Kyoto, Japan (Table T2)
671.3	Lagos (Table T2)
671.5	La Paz, Bolivia (Table T2)
671.8	Lausanne (Table T2)
673	Leeds (Table T2)
678	Leipzig (Table T2)
	Liège
679	1905 (Table T2)
679.3	1930 (Table T2)
679.5	Later
	Arrange by date; subarrange each by Table T2
680	Lima (Table T2)
681	Lisbon (Table T2)

Exhibitions

Special exhibitions -- Continued

684	Liverpool, 1886 (Table T2)
687	Loanda (Table T2)
	London
690	1851 (Table T2)
691	1862 (Table T2)
695	1871-1874 (Table T2)
695.5	1884 (Table T2)
695.6	1885 (Table T2)
696	1886 (Table T2)
	1887
697	General works (Table T2)
697.3	East London (Table T2)
698	1906 (Table T2)
699	1908 (Table T2)
700	1910 (Table T2)
700.2	1912 (Table T2)
700.5	1917 (Table T2)
700.8	1928 (Table T2)
701	1929 (Table T2)
702	Later
	Arrange by date; subarrange each by Table T2
703	Long Beach, Calif. (Table T2)
704	Los Angeles, Calif. (Table T2)
705	Louisville, Ky. (Table T2)
	Arrange by date; subarrange each by Table T2
	Lyons
710	1894 (Table T2)
711	Later
	Arrange by date; subarrange each by Table T2
712	Madras
	Arrange by date; subarrange each by Table T2
	Madrid
714	Before 1891
	Arrange by date; subarrange each by Table T2
715	1891 (Table T2)
716	Later
	Arrange by date; subarrange each by Table T2
718	Malmö, 1896 (Table T2)
719	Manchester, 1887 (Table T2)
723	Manila (Table T2)
725	Mar del Plata (Table T2)
727	Marseilles (Table T2)
729	Medellin, Colombia (Table T2)
	Melbourne
730	1861 (Table T2)
730.1	1866-1967 (Table T2)
730.6	1875 (Table T2)
731	1880-1881 (Table T2)
732	1888-1889 (Table T2)
739	Memphis (Table T2)
742	Mexico (City) (Table T2)
744	Milan (Table T2)
745	Milwaukee (Table T2)
748	Minneapolis (Table T2)

Exhibitions

Special exhibitions -- Continued

750	Minsk (Table T2)
750.4	Mogadishu, Somalia
	Arrange by date; subarrange each by Table T2
751	Moji (Table T2)
752	Montreal (Table T2)
757	Moscow (Table T2)
760	Mukden (Table T2)
762	Munich (Table T2)
766	Nagasaki (Table T2)
766.5	Nagoya-shi (Japan) (Table T2)
768	Nancy (Table T2)
770	Nanking (Table T2)
773	Naples (Table T2)
774	Naruto-shi (Japan) (Table T2)
775	Nashville, 1897 (Table T2)
775.6	Neuchâtel, 2002 (Table T2)
	New Orleans
776	1854 (Table T2)
777	1884-1885 (Table T2)
778	1885-1886 (Table T2)
779	Later
	Arrange by date; subarrange each by Table T2
	New York
783	1853-1854 (Table T2)
784	1855-1938
	Arrange by date; subarrange each by Table T2
785	1939-1940 (Table T2)
786	Later
	Arrange by date; subarrange each by Table T2
787	Niagara Falls, 1926 (Table T2)
788	Nicosia (Cyprus)
	Arrange by date; subarrange each by Table T2
789	Novgorod (Table T2)
793	Odessa (Table T2)
796	Omaha, 1898 (Table T2)
796.5	Oporto (Table T2)
796.7	Osaka
	Arrange by date; subarrange each by Table T2
797	Oslo (Christiania) (Table T2)
797.5	Otaru, Japan (Table T2)
798	Panama (Table T2)
	Panama-Pacific exposition see TC781+
	Paris
799	Before 1855
	Arrange by date; subarrange each by Table T2
800	1855 (Table T2)
801	1867 (Table T2)
801.5	1875 (Table T2)
802	1878 (Table T2)
803	1889 (Table T2)
804	1900 (Table T2)
805	Later
	Arrange by date; subarrange each by Table T2
820	Peking (Table T2)

Exhibitions

Special exhibitions -- Continued

Philadelphia

- 825 1876 (Table T2)
- 826 1877-1879 (Table T2)
- 826.3 1926 (Table T2)
- 828 Pisa, 1868 (Table T2)
- 830 Pittsburgh (Table T2)
- 830.5 Plovdiv (Table T2)
- 830.7 Poona (Table T2)
- 831 Port-au-Prince, 1949-1950 (Table T2)
- 831.3 Port Louis, 1996 (Table T2)
- 832 Portland, Maine (Table T2)
- Portland, Oregon
- 834 1905 (Table T2)
- 834.2 Later

Arrange by date; subarrange each by Table T2

- 835 Porto, 1865 (Table T2)
- 836 Prague (Table T2)
- 836.8 Pushkin (Russia) (Table T2)
- 837 Quito (Table T2)
- Rio de Janeiro
- 839 Before 1875
- Arrange by date; subarrange each by Table T2
- 840 1875 (Table T2)
- 841 1876-1907

Arrange by date; subarrange each by Table T2

- 843 1908 (Table T2)
- 844 Later

Arrange by date; subarrange each by Table T2

- 845 Rio Grande do Sul (Table T2)
- 850 Rome (Table T2)
- 860 St. Louis, 1904 (Table T2)
- 865 St. Paul (Table T2)
- 868 St. Petersburg (Table T2)
- 871 San Antonio, Texas (Table T2)
- San Diego
- 872 1915 (Table T2)
- 872.3 Later

Arrange by date; subarrange each by Table T2

San Francisco

- 874 1894 (Table T2)
- 875 1895-1914

Arrange by date; subarrange each by Table T2

1915. Panama-Pacific exposition see TC781+

- 876 Later

Arrange by date; subarrange each by Table T2

- 877 San José, 1886 (Table T2)
- 878 San Juan, Puerto Rico (Table T2)

Santiago de Chile

- 879 1872 (Table T2)
- 879.1 1873 (Table T2)
- 880 1875 (Table T2)
- 881 1942-1943 (Table T2)
- 882 1989
- 884 Sarajevo (Table T2)

Exhibitions

Special exhibitions -- Continued

888	Schwerin, 1861 (Table T2)
	Seattle
890	1909 (Table T2)
890.2	Later
	Arrange by date; subarrange each by Table T2
	Seoul
891.5	1929 (Table T2)
892	1982 (Table T2)
	Seville
894	1929-1930 (Table T2)
894.1	1992 (Table T2)
895	Shan-t'ou chuan ch'u, China (Table T2)
896	Shanghai (Table T2)
896.5	Shizuoka (Japan)
	Arrange by date; subarrange each by Table T2
897	Singapore (Table T2)
898	Sofia (Table T2)
902	Spokane (Table T2)
903	Springfield, Mass. (Table T2)
910	Stockholm, 1897 (Table T2)
915	Strassburg (Table T2)
917	Stuttgart (Table T2)
920	Sydney, 1879-1880 (Table T2)
923	Taejŏn-si (Korea), 1993 (Table T2)
925	T'ai-pei (City) (Table T2)
926	Takayama-shi (Japan)
	Arrange by date; subarrange each by Table T2
930	Tananarivo (Table T2)
933	Tbilisi, 1850 (Table T2)
934	Thessalonikē (Table T2)
	Tokyo
937	Before 1912
	Arrange by date; subarrange each by Table T2
938	1912-
	Arrange by date; subarrange each by Table T2
939	Toluca, Mexico (Table T2)
940	Toronto (Table T2)
941	Toyama (Table T2)
944	Trieste (Table T2)
945	Tripoli (Table T2)
946	Tsukuba Kenkyū Gakuen Toshi (Japan) (Table T2)
	Turin
947	1884 (Table T2)
948	Later
	Arrange by date; subarrange each by Table T2
948.5	Ulm (Table T2)
948.7	Utsunomiya-shi (Japan) (Table T2)
949	Valladolid, 1850 (Table T2)
951	Valparaiso (Table T2)
953	Vancouver, B.C.
	Arrange by date; subarrange each by Table T2
955	Venice (Table T2)
	Vienna
960	1873 (Table T2)

Exhibitions

Special exhibitions

Vienna -- Continued

960.2

1995 (Table T2)

967

Villanueva y Geltrú (Table T2)

975

Warsaw (Table T2)

Washington

983

1846 (Table T2)

984

Since 1846

Arrange by date; subarrange each by Table T2

986

Wellington, N. Z., 1885 (Table T2)

988

Wembley, Eng., 1924-1925 (Table T2)

990

Yokohama (Table T2)

991

Yösu-si (Korea), 2012 (Table T2)

992

Zagreb (Agram) (Table T2)

995

Zurich (Table T2)

	Engineering (General). Civil engineering (General)
	Periodicals and societies
1	English
2	French
3	German
4	Other languages (not A-Z)
5	Congresses
	Exhibitions. Museums
6.A1	General works
6.A2-Z	By region or country, A-Z
	Subarrange each country by Table T4b
7	Collected works (nonserial)
9	Dictionaries and encyclopedias
	Engineering literature see T10.7
11	Symbols and abbreviations
12	Directories of engineering companies and engineers
	History
15	General works
16	Ancient
17	Medieval
	Modern
18	To 1800
19	1800-
21-127	Country divisions (Table T1a)
	Add country number in table to TA0
	Class here general historical and descriptive literature, reports on public works, etc.
	Cf. HD3881+ Economic aspects of public works
	Biography
139	Collective
140.A-Z	Individual, A-Z
	General works. Civil engineering, etc.
144	Early to 1850
145	1850-
147	Elementary textbooks
148	Popular works
149	Juvenile works
151	Handbooks, manuals, etc.
	Cf. TA332 Pocketbooks, tables, etc. (Engineering mathematics)
	Cf. TA685 Tables of structural shapes and sections of steel and iron
152	Laboratory manuals
153	General special
155	Addresses, essays, lectures
	Engineering as a profession. Engineers
	Including working conditions, ethics, etc.
157	General works
157.5	Women in engineering. Women engineers
	Industrial technicians
	Cf. TS155.4+ Manufacturing personnel
158	General works
158.3	Instrumentation technicians
	Communication in engineering
158.5	General works
158.7	Computer network resources
	Including the Internet
	Technical education. Technical schools see T61+
159	Examinations, questions, etc.

TA	ENGINEERING (GENERAL). CIVIL ENGINEERING (GENERAL)	TA
	Research	
160	General works	
	Special countries	
160.4	United States	
160.6.A-Z	Other regions or countries, A-Z	
163	Sustainable engineering	
	Cf. TD1+ Environmental technology	
	Bioengineering	
	Cf. R856+ Medical engineering	
164	General works	
164.2	Bionics	
	Cf. Q317+ Cybernetics	
164.4	Neuromorphics	
165	Engineering instruments, meters, etc. Industrial instrumentation	
	Cf. TJ212+ Control engineering	
165.5	Coordinate measuring machines	
	Human engineering	
	Class particular applications with the field of application, e.g. TL240+ Automobile design	
	Cf. QP360.7 Neuroergonomics	
	Cf. T59.7+ Industrial engineering	
166	General works	
167	Human-machine systems	
167.5	Neurotechnology	
	Including neuroadaptive systems	
168	Systems engineering	
	Cf. T57.6+ Systems analysis (Industrial engineering)	
168.5	Reverse engineering	
	Systems reliability	
	Cf. TS173 Reliability of industrial products	
169	General works	
169.3	Accelerated life testing	
	System failures	
	Including failure analysis	
169.5	General works	
169.55.A-Z	Special topics, A-Z	
169.55.R66	Root cause analysis	
169.6	Fault location	
169.7	System safety	
	Cf. T55+ Industrial safety	
	Cf. TS175 Product safety	
	Environmental engineering	
	Cf. TD1+ Environmental technology	
	Cf. TH6014+ Environmental engineering in buildings	
170	General works	
171	Environmental testing	
174	Engineering design	
175	Drawings and designs	
	Cf. T351+ Mechanical drawing	
177	Engineering models	
	Engineering economy	
	Cf. TS165+ Cost control. Value engineering	
	Cf. TS181+ Planning for machinery. Tool life	
177.4	General works	
177.7	Cost effectiveness. Benefits-to-costs ratios	
178	Valuation and depreciation	

	Engineering economy -- Continued
	Specifications
	Cf. HD2365+ Competitive letting of contracts in industry
	Cf. TH425 Construction of buildings
180	General works. Methods, etc.
181.A-Z	By region or country, A-Z
	Including the official manuals of public works
183	Estimates, quantities, and costs
	Cf. TH434+ Construction of buildings
185	Accounting for engineers
	Management of engineering works
190	General works
190.5	Office systems and records
191	Inspection of workmanship
	Cf. TH439 Building inspection
	Cf. TS156.2+ Inspection of manufactures
192	Safety measures
194	Planning of operations. Critical path analysis
	Engineering meteorology
197	General works
198	Industry and meteorology
	Class special industries and applications with the field e.g. TH7392.M6 Heating of factories
	Contractors' operations and equipment. Contracting
	Cf. TH11 Builders' and contractors' bulletins
201	Periodicals
210	General works
	Engineering machinery, tools, and implements
	Cf. TA735+ Excavating machinery
	Cf. TH900+ Construction equipment in building construction
	Cf. TS181+ Planning for machinery
213	General works
214	Directories
215	Trade and general catalogs, circulars, etc.
	Consulting engineering
	Cf. T56.3 Management consultants
	Directories see TA12
216	General works
217.A-Z	Special companies. By name, A-Z
219	Forensic engineering
(221-327)	Engineering law
	see class K
	Engineering mathematics. Engineering analysis
	Cf. TA640+ Computational methods of structural engineering
329	Periodicals. Societies. Collections. Congresses
330	General works
331	General special
332	Pocketbooks, tables, etc.
	Study and teaching
332.5	General works
333	Problems, exercises, examinations
335	Numerical methods. Approximations
	Schematic and graphic methods
337	General works
338.A-Z	Special topics, A-Z
338.B6	Bond graphs
338.F5	Flowgraphs

	Engineering mathematics. Engineering analysis
	Schematic and graphic methods
	Special topics, A-Z -- Continued
338.G7	Graph theory
338.N6	Nomograms
340	Probabilistic and statistical methods
	Mathematical models
	Cf. TA177 Engineering models
342	General works
343	Analog. Simulation methods
	Cf. T57.62+ Industrial engineering
	Electronic data processing. Computer-aided engineering
345	General works
345.5.A-Z	Special systems, A-Z
345.5.A57	ANSYS
345.5.A73	Architecture Analysis and Design Language
345.5.A98	AutoCAD Civil 3D
345.5.C66	COMSOL Multiphysics
345.5.D47	DesignCAD
345.5.I2	ICES
345.5.M16	MESY
345.5.M38	Mathematica
345.5.M42	MATLAB
345.5.P37	Parallel processing
	Including use of Charm++
345.5.R73	RS/1
345.5.U53	UNISURF CAD
347.A-Z	Other specific mathematical aids in the solution of engineering problems, A-Z
347.A78	Artificial intelligence
347.B69	Boundary value problems
347.C3	Calculus of variations
347.C54	Closed circular ring problems
347.C6	Combinatorial analysis
347.C64	Complex analysis. Functions of complex variables
	Complex variables, Functions of see TA347.C64
347.C68	Coupled problems
347.D4	Determinants and matrices
347.D45	Differential equations
347.D5	Dimensional analysis
347.D52	Dimensionless numbers
347.D57	Distributed point source method
347.E96	Evolutionary computation
347.F5	Finite element method
347.F86	Functional analysis
	Functions of complex variables see TA347.C64
347.G46	Geometric methods
347.I5	Integral equations
347.L5	Linear algebras
	Matrices see TA347.D4
347.N46	Nets
347.N56	Nonlinear methods
347.N6	Normal numbers
347.T4	Tensor analysis
347.T7	Transfer functions
347.V4	Vector analysis
348	Power spectra

- Mechanics of engineering. Applied mechanics
 - For structural engineering see TA630+
 - For mechanics applied to machinery see TJ170+
 - Cf. TA405+ Mechanics of materials
- 349 Periodicals, societies, congresses, etc.
- 349.5 Dictionaries and encyclopedias
- 350 General works
- 350.2 Laboratory manuals
- 350.3 Addresses, essays, lectures
- 350.5 Study and teaching
- 350.7 Problems, exercises, examinations
- 351 Applied statics
- Applied dynamics
 - 352 General works
 - 353 Contact mechanics
 - 354 Impact
 - 354.5 Penetration mechanics
 - 355 Vibration in engineering
 - Cf. TA654+ Structural engineering
 - Cf. TG265 Bridges
 - Cf. TH153 Building (General)
 - Cf. TJ208 Vibrators
- 356 Vibration of vehicles
 - For vibration of specific vehicles, see the type of vehicle, e.g. TF Railroad vehicles; TL Motor vehicles
- Applied fluid mechanics
 - Including fluid dynamics
 - Cf. TC160+ Technical hydraulics
 - Cf. TJ267 Theory of turbines
 - Cf. TJ853+ Fluidics and fluidic devices
- 357 General works
- 357.3 Problems, exercises, etc.
- 357.5.A-Z Special topics, A-Z
 - Aerodynamics see TA358
 - 357.5.A95 Axial flow
 - 357.5.C38 Cavitation
 - 357.5.C45 Cellular flows
 - Computational fluid dynamics see TA357.5.D37
 - 357.5.C65 Convection
 - 357.5.C68 Counterflows
 - 357.5.D37 Data processing. Computational fluid dynamics
 - 357.5.F55 Flow visualization
 - 357.5.F58 Fluid-structure interaction
 - Fluid transients see TA357.5.U57
 - 357.5.G47 Granular flow
 - Mathematics see QA901+
 - 357.5.M43 Measurements
 - 357.5.M59 Mixing
 - 357.5.M84 Multiphase flow. Two-phase flow
 - 357.5.P58 Planar laser-induced fluorescence
 - 357.5.R44 Reduced gravity environments
 - 357.5.S57 Sloshing
 - 357.5.T87 Turbulence
 - Two-phase flow see TA357.5.M84
 - 357.5.U57 Unsteady flow
 - 357.5.V56 Viscous flow

TA	ENGINEERING (GENERAL). CIVIL ENGINEERING (GENERAL)	TA
	Mechanics of engineering. Applied mechanics	
	Applied fluid mechanics -- Continued	
358	Aerodynamics in engineering	
	Cf. TL570+ Mechanics of flight	
359	Aerodynamics of vehicles	
	For aerodynamics of specific vehicles, see the vehicle, e.g. TF Railroad vehicles; TL Motor vehicles	
	Acoustics in engineering. Acoustical engineering	
	Class particular uses in the field of application, e.g. ML3805 Music; NA2800 Architectural acoustics; TK5981+ Electroacoustics	
	Cf. TA418.84 Acoustical properties of materials	
	Cf. TD891+ Noise control	
	Cf. TH1725 Sound control in buildings	
	Cf. TK5103.52 Acoustical telecommunication	
365	General works	
365.5	Anechoic chambers	
367	Ultrasonics in engineering	
	Cf. TA417.4 Ultrasonic testing	
367.5	Lasers in engineering	
368	Standards (Collections, indexes, etc.)	
	Class special collections of standards by subject in T-TX, e.g. TJ1330 Bolts and nuts	
	Cf. T59+ Standardization	
	Materials of engineering and construction	
	Including building materials	
	For constitution and properties of matter see QC170+	
401	Periodicals. Societies. Collections	
401.3	Congresses	
	Exhibitions	
401.6.A1	General works	
401.6.A2-Z	By region or country, A-Z	
	Subarrange each country by Table T4b	
402	Dictionaries and encyclopedias	
402.3	Directories of materials scientists	
402.5.A-Z	Special regions or countries, A-Z	
402.7	Developing countries	
403	Treatises	
403.2	Popular works. Juvenile works	
403.4	Pocketbooks, tables, etc.	
403.6	General special	
	Including transportation, quality control, etc.	
403.8	Addresses, essays, lectures	
403.9	Materials science as a profession	
404	Study and teaching	
404.2	Research	
	Cf. TA416+ General engineering and testing laboratories	
404.23	Data processing	
	Including computer simulation	
404.25	Communication in materials engineering	
	Including materials databases	
404.3	Problems, exercises, etc.	
404.5	Specifications and standards	
	Specific characteristics of materials	
	For chemical properties, see QD, TN, and TP	
	For electric and magnetic properties, see QC501-QC764; TK	
	Mechanical properties. Behavior of materials under applied forces	
404.8	General works	

Materials of engineering and construction

Specific characteristics of materials

Mechanical properties. Behavior of materials under applied forces -- Continued

Strength of materials. Mechanics of materials

- 405 General works
- 407 General special
 - Including stress analysis
- 407.2 Pocketbooks, tables, etc.
- 407.4 Problems, exercises, examinations
- 407.6 Study and teaching
- 409 Failure of materials. Fracture
 - Cf. TA417.6 Deformation of materials
- 409.2 Service life of materials
- 409.3 Strengthening mechanisms
- Testing of materials (General and mechanical)
- 410 General works
- 412 Laboratory machines
- Testing machines
- 413 General works
- 413.5 Strain gages
- 413.85 Wear-testing machines
- General engineering and testing laboratories
 - Cf. TJ148 Mechanical engineering laboratories
- 416 General works
- 416.5.A-Z By region or country, A-Z
- 417.A-Z Special laboratories. By name, A-Z
- Nondestructive tests
- 417.2 General works
 - Acoustic emission testing see TA418.84
- 417.23 Microscopy
- 417.25 Radiographic examinations
- 417.3 Magnetic analysis
- 417.35 Electric analysis
- 417.36 Electromagnetic testing
 - Including eddy current testing
- 417.4 Ultrasonic testing
- 417.43 Optical characterization
- 417.45 Holographic testing
- 417.5 Infrared examinations
- 417.55 Penetrant inspection
- 417.6 Deformation of materials under stress
- 417.7.A-Z Behavior of materials under specific stresses, A-Z
 - For specific properties and tests, see the subject, e.g. TA418+ Elastic properties and tests
 - For specific properties and tests, see the subject, e.g. TA418.14+ Plastic (inelastic) properties and tests
 - Bending see TA417.7.F5
- 417.7.C6 Composite materials
- 417.7.C65 Compression
- 417.7.F5 Flexure
- 417.7.H53 High gravity
- 417.7.H55 High temperature
- 417.7.R43 Reduced gravity
- 417.7.S5 Shear
- 417.7.T4 Tension
- 417.7.T6 Torsion
- Specific properties and tests

Materials of engineering and construction

Specific characteristics of materials

Mechanical properties. Behavior of materials under applied forces

Specific properties and tests -- Continued

Elastic properties and tests

418 General works

418.12 Photoelasticity

Plastic (inelastic) properties and tests

418.14 General works

418.15 Photoplasticity

Ductile and brittle states

418.16 General works

418.17 Notch effect

418.18 Strain hardening

418.2 Viscous flow. Viscoelasticity

418.22 Creep behavior

Temperature-dependent properties and tests

Including effects of temperature on yield strength, viscous flow, etc.

Cf. TA418.52+ Thermal properties and tests

418.24 General works

418.26 Heat resistant materials. Refractory materials

Cf. TN677+ Metallurgical furnaces and refractory materials

418.28 Cold resistant materials

Time-dependent properties and tests

418.3 General works

Dynamic properties

418.32 General works

418.34 Impact strength

Endurance properties and tests

418.36 General works

418.38 Fatigue behavior

418.4 Mechanical wear

Cf. TA418.72 Friction properties

418.42 Hardness properties and tests

418.45 Hard materials

Physical properties

418.5 General works

Thermal properties and tests

418.52 General works

418.54 Thermal conductivity

Cf. TH1715+ Insulation and insulating materials

Thermal expansion

418.56 General works

418.58 Thermal stresses

418.59 Space environmental effects and tests

418.6 Radiation effects and tests

418.62 Optical properties and tests

418.64 Moisture content

Surface effects and tests

418.7 General works

418.72 Friction properties

Cf. TJ1075+ Lubrication and friction

Corrosion properties. Deterioration

Cf. TA462 Corrosion of metals

418.74 General works

418.75 Corrosion-resistant materials

	Materials of engineering and construction
	Physical properties
	Surface effects and tests
	Corrosion properties. Deterioration -- Continued
418.76	Protective coatings
	Materials as particles, with tests
418.78	General works
418.8	Particle size determination
418.82	Porosity and denseness, with tests
418.84	Acoustical properties and tests
	Cf. TH1725 Soundproof construction
	Cf. TH1727 Acoustical materials
418.9.A-Z	Materials of special composition or structure, A-Z
418.9.A25	Ablative materials
418.9.A58	Amorphous substances
418.9.B73	Braided structures
	Cf. TA418.9.C6 fibrous composites
418.9.C57	Coatings
	Cf. TA418.76 Protective coatings
	Cf. TA446 Cement coating
	Cf. TA491 Metal coating
	Cf. TP156.C57 Coating processes
	Cf. TP934+ Paints
	Cf. TP935.A2+ Protective coatings
	Cf. TP1175.S6 Spraying with plastics
	Cf. TS653+ Plastic coating on metals
	Cf. TS699 Powder coating of metals
418.9.C6	Composite materials
	Including fibrous composites
	Cf. TA481+ Metallic composites
418.9.C7	Crystalline solids
418.9.F5	Fibers
	For fibrous composites see TA418.9.C6
418.9.F6	Foamed materials
418.9.F85	Functionally gradient materials
418.9.G45	Gels
	Including microgels and nanogels
418.9.I53	Inhomogeneous materials
418.9.L3	Laminated materials
418.9.L53	Lightweight materials
418.9.L54	Liquid crystals
	Microgels see TA418.9.G45
	Nanogels see TA418.9.G45
418.9.N35	Nanostructured materials
418.9.P6	Porous materials
418.9.R37	Rare earths
418.9.R4	Reinforced materials
418.9.S62	Smart materials
418.9.S64	SPM materials
418.9.T45	Thin films
	Special materials
	For design and construction in special materials see TA663+
	Nonmetallic materials
418.95	General works

Materials of engineering and construction

Special materials

Nonmetallic materials -- Continued

Wood

Cf. TA666+ Wooden construction

Cf. TS800+ Lumber and woodwork

Cf. TS920+ Chemical processing of wood

419.A1 Periodicals, societies, congresses, etc.

419.A2-Z General works

419.5 Standards

420 Strength and testing of wood

Deterioration and preservation of wood

Cf. TC200 Deterioration of structures exposed to sea water

422 General works

Special destructive agents

Including their control

423 General works

Fungi. Decay

423.2 General works

423.3 Dry rot

423.4 Stain fungi

Insects

423.6 General works

423.63 Beetles

423.7 Termites

Preservation of wood

Cf. TT300+ Painting

424 General works

424.2 Testing

424.4 Special preservation methods

Including pressure-impregnation

424.6.A-Z Special preservatives, A-Z

424.6.C7 Creosote

424.6.F8 Fungicides

424.6.O4 Oil-soluble preservatives

424.6.R8 Rubber

424.6.S3 Salt

424.6.W3 Water-soluble preservatives

Masonry materials

Cf. TA670+ Construction

425 General works

Stone

426 General works

427 Strength and testing of stone

428.A-Z Special kinds of stone, A-Z

428.L5 Limestone

Cf. TA428.T73 Travertine

428.M3 Marble

428.T73 Travertine

430 Ceramic materials

Artificial materials

431 General works

Brick, tile, terra cotta

432 General works

433 Strength and testing of brick, etc.

Materials of engineering and construction

Special materials

Nonmetallic materials

Masonry materials

Artificial materials -- Continued

Cement, lime, mortar, etc.

Cf. TP875+ Cement industries

434

General works

435

Strength and testing of cement, etc.

Mortar

436

General works

437

Strength and testing

438

Cement composites

Concrete

Including Portland cement concrete

Including mixing

439

General works

440

Strength and testing

Including concrete corrosion

441

Aggregates

Including use of slag, clinkers, etc

442

Concrete and timber

Special types of concrete

442.5

General works

443.A-Z

By cementing substance, A-Z

443.A7

Asphalt

443.C64

Colloidal concrete

443.P58

Polymers

443.R4

Resin

Reinforced concrete

444

General works

444.5

Prestressed concrete

444.52

Pre-tensioned prestressed concrete

444.53

Post-tensioned prestressed concrete

445

Strength and testing

445.5

Corrosion of reinforcing bars

Reinforcing bar practice see TA683.42

445.7

Self-consolidating concrete

446

Shotcrete. Gunite. Cement guns

447

Pipes of cement, concrete, and clay

Including drain tiles, culverts, etc.

Cf. TP885.P5 Pipe manufacture

448

Plastic pipes

Cf. TH6330 Plastic pipes in plumbing

Cf. TP1185.P5 Manufacture of plastic pipes

450

Glass

Including fiber glass

455.A-Z

Other nonmetallic materials, A-Z

455.A3

Abrasives

455.A34

Adhesives

455.A6

Asbestos

455.A62

Asbestos substitutes

455.A63

Ashes

Cf. TA455.F55 Fly ash

455.A7

Asphalt

455.B3

Bamboo

Materials of engineering and construction

Special materials

Nonmetallic materials

Other nonmetallic materials, A-Z -- Continued

455.B5	Bituminous materials
455.B65	Borides
455.C3	Carbon
455.C43	Ceramic materials (General)
	For ceramic materials for heat-engines see TJ255.5
	Cf. ML86 Music on ceramics
	Cf. NK3700+ Art industries
	Cf. R857.C4 Biomedical engineering
	Cf. RK655 Ceramics in dentistry
	Cf. TA430 Ceramic masonry materials
	Cf. TA479.6 Ceramic metals
	Cf. TK7871.15.C4 Electronics
	Cf. TP785+ Chemical technology
	Cf. TP825+ Ceramics, Architectural
	Cf. TT919+ Pottery craft
455.C45	Chromic materials
455.C55	Clay minerals
455.C6	Cork
455.C65	Corundum
455.E4	Elastomers
455.E5	Enamels
455.E6	Epoxy resins
455.F3	Faolite
	Fiber glass see TA450
455.F5	Fire clay
455.F54	Fluorine compounds
455.F55	Fly ash
	Cf. TE210.5.F55 Soil stabilization materials
455.G44	Geosynthetics
455.G65	Graphene
455.G7	Graphite
455.G73	Gravel
455.G9	Gypsum
455.L3	Laterite
455.L6	Loess
455.M5	Mica
455.N5	Nitrides
455.P4	Peat
455.P45	Perlite
455.P49	Plant fibers
	Plastics
455.P5	General works
455.P55	Reinforced plastics
	Polymers
455.P58	General works
455.P585	Shape memory polymers
455.R4	Reed
	Refractory materials see TN677+
455.R8	Rubber
455.S3	Sand
455.S35	Semimetals
455.S4	Shale

Materials of engineering and construction

Special materials

Nonmetallic materials

Other nonmetallic materials, A-Z -- Continued

455.S43 Shells (Sea shells)

455.S46 Silicates

455.S5 Slag

455.S6 Soil

455.S8 Straw

455.S84 Stucco

455.S93 Sulfur

455.T3 Talc

455.V4 Vermiculite

455.W3 Wallboard

Metals

Cf. TA684+ Metal construction

Cf. TN689+ Metallography

459 General works

460 Strength and testing

461 Specifications

462 Corrosion and protection against corrosion

Cf. TS653+ Metal finishing

Cf. TT300+ Industrial and structural painting

463 Liquid metals

Cf. QC173.4.L56 Physics

Iron and steel

Cf. TN701.482+ Metallurgy

Cf. UG408+ Iron and steel for land defenses

464 General works

465 Strength and testing

466 Specifications

467 Corrosion and protection against corrosion

For stray currents from electric traction see TF912

For electrolytic corrosion of underground lines see TK3255

Wrought iron

Including specifications

469 General works

470 Strength and testing

Steel

Including specifications

472 General works

473 Strength and testing

Cast iron

Including specifications

474 General works

475 Strength and testing

Iron and steel alloys

478 General works

479.A-Z Special, A-Z

479.A4 Aluminum alloys

479.A88 Austenitic steel

479.B6 Boron steel

479.B7 Bulat steel

479.C37 Carbon steel

479.C5 Chromium steel

479.C7 Copper steel

Materials of engineering and construction

Special materials

Metals

Iron and steel

Iron and steel alloys

Special, A-Z -- Continued

Ferritic steel see TA479.S7

Heat resistant steel

Cf. TA485 Heat resistant alloys

Lightweight steel

Maraging steel see TA479.N5

Nickel steel

Silicon alloys

Stainless steel

Tungsten alloys

Vanadium steel

Nonferrous metals

Ceramic metals

Special metals, including their alloys, A-Z

Aluminum

Including duralumin

Beryllium

Chromium

Cobalt

Copper

Including brass and bronze

Germanium

Indium

Lead

Lithium

Magnesium

Manganese

Mercury

Molybdenum

Nickel

Nickel-titanium alloys

Niobium

Palladium

Rare earth metals

Rhenium

Rubidium

Silver

Tantalum

Tin

Including babbitt

Titanium

Tungsten

Uranium

Yttrium

Zinc

Zirconium

Metallic composites

General works

Fiber-strengthened composites

Alloys

General works

479.H43

479.L54

479.N5

479.S5

479.S7

479.T8

479.V3

479.3

479.6

480.A-Z

480.A6

480.B4

480.C5

480.C6

480.C7

480.G4

480.I53

480.L4

480.L5

480.M3

480.M35

480.M4

480.M6

480.N6

480.N63

480.N65

480.P35

480.R3

480.R5

480.R8

480.S5

480.T34

480.T5

480.T54

480.T9

480.U7

480.Y8

480.Z6

480.Z65

481

481.5

483

Materials of engineering and construction

Special materials

Metals

Alloys (General) -- Continued

- 483.3 Eutectic alloys
 - Including hypereutectic and hypoeutectic alloys
- 484 Lightweight alloys
 - Cf. TA480.A6 Aluminum
- 485 Heat resistant alloys
 - Cf. TA479.H43 Heat resistant steel
 - Cf. TA479.6 Ceramic metals
- 486 Corrosion-resistant alloys
- 487 Shape memory alloys
- 491 Metal coatings
 - Cf. TP1175.M4 Metal coating of plastics
 - Cf. TS590+ Metal manufactures

492.A-Z Special forms and shapes in metal, A-Z

- 492.A3 Adhesive joints
- 492.A6 Angles
- 492.B3 Balls
- 492.B63 Bolts and nuts
- 492.C6 Chains
- 492.C7 Columns
- 492.C9 Cylinders
- 492.F4 Fillets
- 492.F5 Flanges
- 492.G5 Girders
- 492.H6 Hooks
- 492.N2 Nails and spikes
- 492.P6 Pipes
- 492.P7 Plates
- 492.R6 Rivets
 - Cf. TA891 Riveting
- 492.S25 Sandwich construction elements
- 492.S3 Screws
- 492.S5 Shafting
- 492.T4 Tee stiffeners
- 492.T8 Tubes
- 492.W4 Welded joints
- 492.W7 Wire
- 492.W77 Wire netting
- 492.W8 Wire rope

Disasters and engineering

- Cf. TC181 Earthquakes and hydraulic structures
- Cf. TC530+ Flood control
- Cf. TF539 Damage to railroads
- Cf. TH1095 Earthquakes and building

Surveying

- 501 Periodicals, societies, etc.
- 502 Congresses
- 504 Collected works (nonserial)
- 505 Dictionaries and encyclopedias
- 506 Directories
- History
 - 514.7 Periodicals, societies, serials, etc.
 - 515 General works

	Surveying
	History -- Continued
516	Ancient
517	Medieval
518	Modern
519	19th-20th centuries
520	20th century
521-531	Special regions or countries
	America. United States
521	General works
	Special divisions (United States)
521.5.A-Z	By region, A-Z
	e.g.
521.5.N4	New England
522.A-.W	States, A-W
522.5.A-Z	Cities, A-Z
	Canada
523.A1	General works
523.A3-Z	By region or province, A-Z
	<i>Under each province:</i>
	.x <i>General works</i>
	.x3A-.x3Z <i>Special cities, A-Z</i>
524	Latin America. West Indies (Table T4)
525	South America (Table T4)
526	Europe (Table T4)
527	Asia (Table T4)
528	Africa (Table T4)
	Australia
529.A1	General works
529.A3-Z	By region or state, A-Z
	<i>Under each state:</i>
	.x <i>General works</i>
	.x3A-.x3Z <i>Special cities, A-Z</i>
529.5	New Zealand
530	Pacific islands (Table T4)
531	Arctic regions
	Biography
532	Collective
533.A-Z	Individual, A-Z
534	Surveying as a profession
	Study and teaching
535	General works
537	Examinations, questions, etc.
538.A-Z	By region or country, A-Z
	General works
544	Early to 1800
545	1800-
549	General special
551	Pocketbooks, field manuals, etc.
552	Tables
555	Addresses, essays, lectures
556.A-Z	Special topics, A-Z
556.M38	Mathematics
	Instruments
562	General works
	Special instruments

	Surveying
	Instruments
	Special instruments -- Continued
563	Compass
565	Levels
571	Planetable
575	Theodolite and transit
579	Other instruments
581	Trade catalogs, circulars, etc.
583	Triangulation for engineering works
	Cf. QB311 Geodesy
	Cf. TA593.8+ Photographic triangulation
585	Traverses
588	Stadia surveying
590	Topographical surveying
	Photography in surveying, aerial surveying, etc.
	For special applications of photographic surveying, see the application
592	Periodicals. Societies. Serials
592.2	Congresses
592.3	Collected works (nonserial)
592.4	Dictionaries and encyclopedias
	History
592.5	General works
592.6.A-Z	By region or country, A-Z
	Subarrange each country by Table T4a
593	General works
593.2	General special
593.25	Handbooks, tables, etc.
593.3	Addresses, essays, lectures
593.35	Instruments, cameras, etc.
593.4	Photographic reading, interpretation, etc.
593.5	Mathematical models. Data processing
593.6	Standards, specifications, etc.
593.7	Stereophotogrammetry
	Photographic triangulation
593.8	General works
593.83	Strip adjustment. Block adjustment
593.9.A-Z	Other topics, A-Z
593.9.E75	Errors
	Graphic plotting see TA611
593.9.T54	Tilt
	Other methods. Compass surveying, etc.
595	General works
595.5	Satellite surveying
597	Applications of astronomy
	e.g. Azimuth observations
	Cf. QB201+ Geodesy
	Cf. VK563 Navigation
601	Measurement of distances
603	Measurement of angles
	Leveling
606	General works
607	Spirit leveling. Precise leveling
609	Trigonometric
	Barometric hypsometry see QC895
610.A-Z	Lists of bench marks. By country, A-Z

TA	ENGINEERING (GENERAL). CIVIL ENGINEERING (GENERAL)	TA
	Surveying -- Continued	
611	Plotting	
	Computation of areas	
613	General works	
614	Planimeters	
	Class here works on application only	
616	Topographic drawing	
	Class here engineering works only	
	Cf. GA125 Cartography	
	Cf. UG470+ Military topography	
	Surveying for special purposes	
622	Public land	
623	Hydraulic surveying for engineering purposes	
	Hydrographic surveying see VK588+	
	City surveying see TD167	
	Geodetic surveying see QB301+	
	Geophysical surveying see TN269+	
	Landscape architectural surveying see SB475.9.S95	
	Military surveying see UG470+	
	Mine surveying see TN273	
	Railroad surveying see TF210+	
	Road surveying see TE209+	
625	Other special applications	
	Structural engineering (General)	
	For structural engineering of a specific kind of structure, see the structure, e.g. TC540 Dams; TG	
	Bridges; TH Buildings; TJ Machinery; TL Vehicles; VM Ships	
	Cf. TA660.A+ Specific structural forms without regard to material used	
	Cf. TA663+ Structures in special materials, including their structural parts	
630	Periodicals, societies, congresses, etc.	
631	Dictionaries and encyclopedias	
	General works	
632	Early to 1850	
633	1850-	
634	Juvenile works	
635	Pocketbooks, tables, etc.	
636	General special	
637	Addresses, essays, lectures	
638	Study and teaching	
638.2	Research	
638.5	Examinations, questions, etc.	
	Structural engineering project management see TA190+	
	Structural drawing see T355	
	Computational methods	
640	General works	
640.2	General special	
640.4	Problems, exercises, etc.	
640.6	Graphic statics	
	Cf. TG270 Graphic statics in bridge engineering	
	Cf. TJ235 Graphic statics in mechanical engineering	
640.8	Influence lines	
641	Electronic computer methods	
642	Matrix methods	
643	Model analysis. Simulation methods	
	Structural analysis. Theory of structures	
645	General works	
646	General special	

Structural engineering (General)

Structural analysis. Theory of structures -- Continued

- 647 Data processing
- Static loading conditions
- 648 General works
- 648.2 Dead loads
- 648.3 Stresses
- 648.4 Shear. Bending moments
- 648.5 Strains and deflections
- Statistically indeterminate structures
 - Including the slope-deflection method, moment-distribution method, Cross method, Castigliano's theorem, three-moment theorem, etc.
- 650 General works
- 651 Continuous systems
- 652 Limit analysis. Plastic analysis. Yield stress analysis
- 653 Elastic analysis
- Dynamic loading conditions. Structural dynamics. Vibrations
- 654 General works
- 654.15 Modal analysis
- 654.2 Impact loading
- Live loads. Moving loads
- 654.3 General works
- 654.33 Road loads
- 654.4 Snow and ice loads
 - Cf. TG304 Bridges
 - Cf. TH895 Snow loads in building
- 654.5 Wind loads
 - Cf. TG303 Wind pressure on bridges
 - Cf. TH891 Wind pressure in building
- 654.55 Water wave loads
- 654.6 Earthquake forces
 - Including general earthquake engineering
 - Cf. QE539.2.S34 Earthquake safety measures and hazard analysis
 - Cf. TA658.44 Earthquake resistant design
 - Cf. TC181 Hydraulic structures
 - Cf. TF539 Railroads
 - Cf. TH1095 Earthquakes and building
- 654.7 Blast loads
 - Cf. TA658.42 Blast resistant design
 - Cf. TH1097 Bombproof construction
- 654.8 Thermal stresses
- 654.9 Dynamic control
- Stability of structures. Structural failure
- 656 General works
- 656.2 Buckling
- 656.3 Fatigue
- 656.4 Brittle fracture
- 656.5 Probability of safety
- 656.6 Structural health monitoring
- Structural design
 - For design of structures of a specific material, see the specific material in TA663+
- 658 General works
- 658.2 General special
- 658.3 Pocketbooks, tables, etc.
- 658.35 Problems, exercises, examinations
- Structural design for dynamic loads

Structural engineering (General)

Structural design

Structural design for dynamic loads -- Continued

658.4

General works

658.42

Blast resistant design

658.44

Earthquake resistant design

Cf. TA654.6 Earthquake forces and earthquake engineering

Cf. TH1095 Earthquakes and building

658.48

Wind resistant design

Cf. TA654.5 Wind loads

Cf. TH891 Wind pressure in building

658.6

Limit design. Plastic design

658.8

Structural optimization

660.A-Z

Specific structural forms, analysis, and design, A-Z

660.A53

Angles

660.A7

Arches

Cf. TG327+ Arched bridges

Cf. TH2150+ Arches in building detail

660.B3

Bars

660.B4

Beams

Cf. TG350+ Beams and girders of bridges

660.B43

Beams, Continuous

660.B45

Bearings

Cf. TJ1061+ Mechanical engineering

660.C3

Cables. Cable structures

660.C36

Cantilevers

660.C37

Castellated beams

660.C47

Channels

660.C6

Columns

660.C9

Cylinders

660.D52

Diaphragms

660.D6

Domes

Cf. TH2170+ Domes in building detail

660.E9

Expansion joints

Cf. TJ424 Pipe fittings

Cf. TL784.E9 Rockets

660.F53

Flexible structures

660.F57

Flitch beams

660.F6

Floors (General)

Cf. TH2521+ Floors in building design and construction

660.F7

Frames

660.F72

Frames, Continuous

660.F73

Frames, Multistory

Girders, Plates see TA660.P59

660.G7

Grillages

660.H66

Honeycomb structure

660.H97

Hyperboloid structures

660.J64

Joints

660.P55

Pipelines

660.P59

Plate girders

660.P6

Plates

660.P63

Plates, Folded

660.P65

Plates, Twisted

660.P73

Polyhedra

Pressure vessels see TA660.T34

660.S3

Sandwich elements

Structural engineering (General)

Specific structural forms, analysis, and design, A-Z -- Continued

- 660.S5 Shells
 - Cf. TH2416+ Shell roofs of buildings
- 660.S6 Slabs
- 660.S63 Space frame structures
- 660.S66 Steel beams
- 660.S67 Steel-wood I-beams
- 660.S7 Struts
- 660.T34 Tanks. Pressure vessels
 - Cf. TF271 Tank tanks
 - Cf. TH4935 Silos
 - Cf. TP692.5 Petroleum storage tanks
 - Cf. TP756 Gasholders
 - Cf. TP756.5 Underground storage
- 660.T46 Tensile architecture
- 660.T48 Thick-walled elements
- 660.T5 Thin-walled elements
- 660.T6 Towers
- 660.T8 Trusses
 - Cf. TG375+ Truss bridges
 - Cf. TH2392 Roof trusses
- 660.W3 Walls (General)
 - Cf. TH2201+ Walls in building detail
- Design and construction in special materials
 - For properties of special engineering materials without regard to their structural use see TA418.95+
- 663 Lightweight construction
 - Cf. TH1100 Building construction
- 664 Composite design and construction
- 665 Prestressed construction
- Wooden construction
 - Cf. TH1101 Building construction
- 666 General works
- 666.5.A-Z Individual structural members, A-Z
- 666.5.B43 Beams
- 666.5.J64 Joints
- 666.5.P35 Panels. Paneling
- 668 Plastic construction
- Masonry construction
 - Cf. TH1199+ Building construction
 - Cf. TH5311+ Practical masonry
- 670 General works
- 672 Stereotomy
 - Cf. TH5401+ Stonecutting
- 676 Stone
 - Cf. TH1201 Building construction
- 679 Brick
 - Cf. TH1301 Building construction
- Cement and concrete
 - Cf. TH1461+ Building construction
- 680 Periodicals. Societies. Congresses
- 680.5 Directories
- 681 General works
- Analysis and design of structures
- 681.5 General works

Structural engineering (General)

Design and construction in special materials

Masonry construction

Cement and concrete

Analysis and design of structures -- Continued

682
682.25
682.26
682.3

Pocketbooks, tables, etc.

Specifications and standards

Estimates and costs

Joints. Hinges

Practical construction methods

682.4
682.42
682.43
682.44
682.445
682.446
682.45
682.455
682.46
682.47
682.48
682.485
682.49
682.5.A-Z
682.5.S5

General works

Amateurs' manuals

Cold weather conditions

Formwork

Bearing pads

Maintenance and repair

Pump placing

Roller compacting

Vibration processes

Vacuum processes

Hot weather conditions

Underwater construction

Finishing processes

Individual structural members, A-Z

Slabs

Reinforced concrete construction

Cf. TA444+ Construction materials

Cf. TH1501 Building construction

Periodicals. Societies. Congresses see TA680

683
683

General works

Analysis and design of structures

683.2
683.22
683.23
683.24
683.26
683.28
683.3

General works

Pocketbooks, tables, etc.

Examinations, questions, etc.

Specifications and standards

Estimates

Drawings. Detailing

Joints

Practical construction methods

683.4
683.42

General works

Reinforcing bars

Cf. TA445.5 Corrosion of reinforcing bars

683.44
683.45
683.46

Formwork

Inserts

Vibration methods

683.5.A-Z

Individual structural members, A-Z

683.5.B3
683.5.C7
683.5.F8
683.5.P35
683.5.P65
683.5.S4
683.5.S6
683.5.T7
683.5.W34

Beams

Columns

Frames

Panels

Poles

Shells

Slabs

Trusses

Walls

	Structural engineering (General)
	Design and construction in special materials
	Masonry construction
	Cement and concrete
	Reinforced concrete construction -- Continued
683.7	Precast construction
	For individual members see TA683.5.A+
	Prestressed concrete construction
	For individual members see TA683.5.A+
683.9	General works
683.94	Post-tensioned prestressed concrete construction
	Metal construction
	Iron and steel
	Cf. TA890+ Cutting, bending, riveting of iron and steel
684	General works
685	Catalogs. Pocketbooks, tables, etc.
690	Aluminum and aluminum alloys
695.A-Z	Other metal construction, A-Z
	Engineering geology. Geotechnical engineering
	Cf. TC542 Dam geology
703	Periodicals. Societies. Serials
703.5	Congresses
704	Dictionaries and encyclopedias
705	General works
	By region or country
	United States
705.2	General works
705.3.A-Z	By region or state, A-Z
705.4.A-Z	Other regions or countries, A-Z
	Subarrange each country by Table T4a
	Rock mechanics
706	General works
706.3	Drill cores
706.5	Testing methods
709	Rockfills
709.5	Residual materials
	Soil mechanics
	Including properties of soils, water in soil, strength properties, consolidation, etc.
	Cf. TE208+ Soil surveys in highway engineering
	Cf. TL243+ Dynamics of motor vehicles
710.A1	Periodicals, societies, congresses, etc.
710.A15	Dictionaries and encyclopedias
710.A2-Z	General works
	By region or country
	United States
710.2	General works
710.3.A-Z	By region or state, A-Z
710.4.A-Z	Other regions or countries, A-Z
	Subarrange each country by Table T4a
710.5	Laboratory manuals. Testing of soils. Measurements
	Soil dynamics
711.A1	Periodicals, societies, congresses, etc.
711.A2-Z	General works
711.5	Soil-structure interaction
712	Underground construction

TA	ENGINEERING (GENERAL). CIVIL ENGINEERING (GENERAL)	TA
713	Frozen ground construction Cf. GB2401+ Physical geography	
714	Snow mechanics. Avalanche control Cf. GB2401+ Physical geography Cf. QC929.A8 Avalanches (Meteorology) Cf. QC929.S7 Snow (Meteorology)	
714.5	Ice mechanics	
	Earthwork	
715	General works	
721	Tables, calculations, etc. Estimates	
725	Earthmoving machinery Cf. TA735+ Excavating machinery	
	Excavations	
730	General works	
732	Juvenile works Excavating machinery Cf. TC187+ Dredging Cf. TF225+ Railroads	
735	General works	
737	Trade catalogs	
	Rock excavation	
740	General works	
743	Rock drilling Cf. TA800+ Tunneling Cf. TD412 Well boring Cf. TN275+ Mining operations	
	Rock drills	
745	General works	
747	Trade catalogs	
748	Blasting	
749	Soil stabilization Including soil compaction Cf. S593.23 Agriculture Cf. TE210.4+ Highway engineering	
750	Hydraulic filling	
755	Grouting	
	Embankments, retaining walls, dams, etc. Cf. TC540+ Dams	
760	General works	
765	Earth pressure	
770	Retaining walls Geosynthetic encased columns see TA788	
772	Anchorage (Structural engineering)	
	Foundations Cf. TC197 Foundations under water Cf. TG320 Foundations of bridges Cf. TH2101 Foundations of buildings	
775	General works	
777	Guy anchors	
	Piles and pile-driving	
780	General works	
783	Screw-piles	
785	Sheet-piling	
786	Steel piling	
787	Concrete piling	
788	Geosynthetic encased columns	

- Tunneling. Tunnels
 - Including vehicular tunnels
 - Cf. TF230+ Railroad tunnels and tunneling
 - Cf. TN285 Mine tunneling
- 800 Periodicals, societies, congresses, etc.
- History
 - 803 General works
 - 804.A-Z By region or country, A-Z
 - 805 General works
 - 807 Popular works. Juvenile works
 - 810 Pocketbooks, tables, etc.
 - 814 Ventilation and lighting
 - 815 Special topics and methods
 - 820.A-Z Tunnels. By place, A-Z
- Scaffolding see TH5281
- Practical masonry, stonecutting, bricklaying, etc. see TH5311+
- (881) Centering of arches
 - see TH5591
- Iron and steel work
 - Including cutting, bending, etc.
 - Cf. TA684+ Construction
- 890 General works
- 891 Riveting
- 900 Protection of structures
 - Cf. TH9025+ Protection of buildings
- 901 Waterproof construction
 - Cf. TH9031+ Protection of buildings from dampness
- Transportation engineering
 - Class individual types of transportation with the type, e.g. TF Railroads; TL Motor vehicles, airplanes, etc.
 - For economics of transportation see HE1+
- 1001 Periodicals and societies
- (1004) Yearbooks
 - see TA1001
- 1005 Congresses
- Museums. Exhibitions
 - 1006.A1 General works
 - 1006.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 1007 Collected works (nonserial)
- 1009 Dictionaries and encyclopedias
- 1015 History
- 1021-1127 Country divisions (Table T1a)
 - Add country number in table to TA1000
- 1145 General works
- 1147 Popular works
- 1149 Juvenile works
- 1151 Handbooks, tables, etc.
- 1155 Addresses, essays, lectures
- 1160 Transportation engineering as a profession
- 1163 Study and teaching
- 1165 Data processing
- Route surveying see TA551; TA625
- 1200 Coordination of forms of transportation
- Urban and metropolitan transportation systems
 - For local see TA1021+

TA	ENGINEERING (GENERAL). CIVIL ENGINEERING (GENERAL)	TA
	Transportation engineering	
	Urban and metropolitan transportation systems -- Continued	
1205	General works	
1207	Personal rapid transit	
	Freight	
1210	General works	
1215	Containerization	
1225	Terminals. Transport centers	
1227	Food service	
	Cf. TF668.A1+ Dining car service	
1230	Automation	
1235	Electronics in transportation	
	Signaling equipment	
1245	General works	
1250	Signal lights	
1280	Heating, ventilation, and air conditioning equipment	
1285	Access for people with disabilities. Barrier-free design	
	Applied optics. Photonics	
	Class applications in a special field with the field	
	Cf. QC370.5+ Optical instruments and apparatus	
	Cf. QH201+ Microscopes and microscopy	
	Cf. TK5103.59+ Optical communications	
	Cf. TK8300+ Optoelectronic devices. Photoelectronic devices	
	Cf. TR1+ Photography	
	Cf. TS510+ Optical instrument manufacture	
1501	Periodicals. Societies. Serials	
1505	Congresses	
1509	Dictionaries and encyclopedias	
1520	General works	
1521	Juvenile works. Popular works	
1522	General special	
1530	Nanophotonics	
	Applied holography	
	Cf. HD9707.5.H34+ Holography industry	
	Cf. QC244.5 Acoustic holography (Physics)	
	Cf. QC449+ Holography (Physics)	
	Cf. TA417.45 Holographic testing of engineering materials	
1540	General works	
1542	General special	
1550	Acoustic holography	
1552	Microwave holography	
1555	Holographic interferometry	
	For stereoscopic photography see TR780	
1560	Three-dimensional imaging	
	Class here general works on three-dimensional imaging	
	For three-dimensional display systems see TK7882.T47	
	Infrared technology	
	Cf. QC457 Infrared rays	
	Cf. TK4635 Infrared heating	
	Cf. TP363 Heating, drying, cooling, etc.	
	Cf. TR755 Photography	
1570	General works	
1573	Detectors. Sensors	
1600	Ultraviolet technology	
	Cf. QC459+ Ultraviolet rays	

Applied optics. Photonics -- Continued

Optical data processing

Cf. TA1540+ Applied holography

Cf. TK7895.O6 Optical equipment (Computers)

Cf. TK8315+ Imaging systems

1630

General works

1632

General special

1634

Computer vision

Cf. TJ211.3 Robot vision

1635

Optical data storage

Cf. TK6685 Video discs and video disc equipment

Cf. TK7882.C56 Compact discs

Cf. TK7882.D93 DVDs. DVD players

1636

Security measures

Including image steganography, image encryption, and digital watermarking of image files

Image processing

For three-dimensional imaging see TA1560

Cf. TK8315+ Imaging systems

Cf. TR267+ Digital photography

Cf. TR897.7+ Computer animation

1637

General works

1637.5

Mathematics

1638

Image compression

Including coding standards, e.g., JPEG

For MPEG see TK6680.8.M74

1638.4

Image segmentation

1640

Optical character recognition

Optical pattern recognition

1650

General works

1653

Human face recognition

1655

Image stabilization

Micro-optics

1659.5

General works

1660

Integrated optics

1660.5

Microlenses

Lasers and laser applications

For application in special fields, see the field, e.g. RE992.P5, Laser coagulation; TA1540-TA1555,

Applied holography; TJ1191, Laser beam cutting; TK5103.6, Laser communication systems;

TK6592.O6, Optical radar

Cf. QC685+ Laser physics

Cf. TK7871.4 Masers

1671

Periodicals, societies, etc.

1673

Congresses

1674

Directories

1675

General works

1677

General special

1680

Popular works

1682

Juvenile works

1683

Handbooks, tables, etc.

1684

Addresses, essays, lectures

1688

Mode-locked lasers

1690

Chemical lasers. Dye lasers

1693

Free electron lasers

1694

Gamma ray lasers

1695

Gas lasers

1695.5

High power lasers

- Applied optics. Photonics
 - Lasers and laser applications -- Continued
 - 1696 Infrared and far infrared lasers
 - 1699 Raman lasers
 - Including Raman fiber lasers
 - 1700 Semiconductor lasers
 - 1705 Solid-state lasers (Ruby, etc.)
 - 1706 Tunable lasers
 - 1707 X-ray lasers
 - 1715 Laser ablation
 - Applied electrooptics. Electrooptical devices. Optoelectronics
 - For specific optoelectronic devices see TK8300+
 - Cf. QC673+ Electrooptics
 - 1750 General works
 - Electroluminescent devices see TK7871.68+
 - Photoelectronic devices see TK8300+
 - 1770 Applied acoustooptics. Acoustooptical devices
 - 1773 Applied neutron optics. Neutron optical devices
 - 1775 Applied X-ray optics
 - Applied fiber optics
 - For fiber optics; optical fiber communication see TK5103.592.F52
 - Cf. QC447.9+ Fiber optics (Physics)
 - 1800 General works
 - Cf. TK8306 Optical fibers
 - 1815 Optical fiber detectors
 - 1820 Stroboscopy
 - Plasma engineering. Applied plasma dynamics
 - Class applications in a special field with the field
 - 2001 Periodicals. Societies. Serials
 - 2005 Congresses
 - 2020 General works
 - 2030 Plasma devices (General)
 - Cf. TK2970 Magnetohydrodynamic generators
 - Cf. TL783.6 Plasma rockets
 - 2040 Magnetohydrodynamics. Magnetohydrodynamic devices
 - Cf. TK2970 Magnetohydrodynamic generators

TC	HYDRAULIC ENGINEERING	TC
	Hydraulic engineering	
	For municipal water supply see TD201+	
	For hydraulic machinery see TJ840.A2+	
1	Periodicals, societies, etc.	
5	Congresses	
	Exhibitions. Museums	
6.A1	General works	
6.A2-Z	By region or country, A-Z	
	Subarrange each country by Table T4b	
7	Collected works (nonserial)	
9	Dictionaries and encyclopedias	
12	Directories	
	History and description	
15	General works	
16	Ancient	
17	Medieval	
18	Modern	
19	19th century	
20	20th century	
21-127	Country divisions (General hydraulic works) (Table T1a)	
	Add country number in table to TC0	
	Biography	
139	Collective	
140.A-Z	Individual, A-Z	
	e.g.	
140.K5	Kfir, Antonín	
	General works	
144	Early to 1800	
145	1800-	
146	Juvenile works	
147	Waterpower engineering. Hydraulic powerplants	
	Including use of tidal power	
	For power utilization of specific rivers see TC415+	
	Cf. TJ840.A2+ Hydraulic machinery	
	Cf. TK1081+ Hydroelectric power production	
	Cf. TK1421+ Hydroelectric powerplants	
151	Pocketbooks, tables, etc.	
153	General special	
155	Addresses, essays, lectures	
	Study and teaching	
157	General works	
157.5	Problems, exercises, etc.	
157.8	Electronic data processing. Mathematics	
158	Hydraulic laboratories	
159	Safety measures	
	Technical hydraulics	
160	General works	
163	General special	
163.5	Environmental hydraulics	
	Hydraulic models	
164	General works	
164.6	Movable bed models	
	Hydrostatics (Water at rest)	
165	General works	
167	Dams, reservoirs	
169	Gates, sluices, etc.	

Technical hydraulics -- Continued

Hydrodynamics (Water in motion)

- 171 General works
- 171.5 Water tunnels
- 172 Water waves
- 173 Orifices. Nozzles. Jets
 - Cf. TH9323 Fire streams
 - Cf. TP156.S6 Spraying
 - Cf. TP159.A85 Atomizers
- 174 Pipes and conduits
 - Including water hammer
- Open channels, rivers, and canals. Sluices, flumes, weirs. Stream gauging
- 175 General works
- 175.2 Sediment transport
 - For sediment transport of specific rivers, etc., see TC421+
- 176 Underground flow
- 177 Hydraulic measurements. Hydraulic instruments, meters, registers, etc.
 - Cf. TD499+ Domestic meters
 - Smart water grids see TD484
- 179 Tables, diagrams, etc.
- 180 Hydraulic structures
 - Cf. TA654.55 Water wave loads
- 181 Earthquakes and hydraulic structures
- General preliminary operations
- 183 General works
 - Diving see VM975+
 - Dredging
- 187 General works
- 188 Dredges
- Submarine blasting
- 191 General works
- 192 Hell Gate
- 193 Submarine drilling
 - Cf. TN871.3 Petroleum well drilling
- Submarine building
- 195 General works
- 197 Submarine foundations. Cribwork, etc.
 - For bridge pier foundations see TG320
- 198 Cofferdams
- 199 Caissons
- 200 Deterioration of structures exposed to sea water
 - Including corrosion
- 201 Control of organisms injurious to submerged structures
 - Cf. QH91.8.M3 Marine biology
 - Cf. TA422+ Wood
- Harbors and coast protective works. Coastal engineering
- 203 Periodicals. Societies. Serials
- 203.5 Congresses
- 203.7 Dictionaries and encyclopedias
- General works
- 204 Early to 1800
- 205 1800-
- 209 General special
- 215-327 History and country divisions (Table T1)
 - Add country number in table to TC200
 - Class here special harbors, inlets, channels, etc.

TC	HYDRAULIC ENGINEERING	TC
328	Marinas	
	Coast protective works	
	For local see TC215+	
330	General works	
332	Beach nourishment	
333	Breakwaters	
335	Seawalls	
337	Dikes, levees, embankments	
	For river levees see TC533	
	For canal embankments see TC759+	
339	Dunes (as defense works)	
339.8	Sand bypassing	
340	Tree planting	
	Reclamation and preservation of land from the sea. Polders	
	Cf. TC970+ Land drainage and reclamation of bogs, swamps, and lakes	
343	General works	
345.A-Z	By region or country, A-Z	
	Harbor engineering	
	Cf. HE550+ Economic aspects	
	Cf. SH337.5 Fishing port facilities	
352	Approach channels	
353	Sea locks	
355	Docks	
357	Piers, quays, and wharves	
361	Drydocks	
363	Floating harbors	
	Including floating docks, piers, etc.	
365	Other special docks	
370	Mechanical equipment of docks for cargo handling, etc.	
	Including cranes	
	For cargo handling, etc. see VK235	
373	General special	
	Including mooring berths, fenders	
	Lighthouses (Construction and equipment)	
375	General works	
377	Lights, lamps, etc.	
379	Lenses	
380	Buoys	
	River, lake, and water-supply engineering (General)	
	Class here development of the water resources of a watershed	
	Cf. TD201+ Municipal water supply	
401	Periodicals, societies, congresses, etc.	
403	Dictionaries and encyclopedias	
	General works	
404	Early to 1800	
405	1800-	
406	Popular works	
407	Pocketbooks, tables, etc.	
409	General special	
	Including estimation of value, simulation methods	
411	Addresses, essays, lectures	
413	Watershed management	

- River, lake, and water-supply engineering (General) -- Continued
- 415-527 History and country divisions (Table T1 modified)
 Add country number in table to TC400
 Class here special rivers and lakes
 Cf. GB1201+ Physical geography of rivers
 Cf. HE380.8+ Economic aspects of waterways
 Special countries
 America
 North America
 United States
 423 General works
 423.3 Great Lakes
 Including diversion of water from Lake Michigan
 Mississippi River
 The detailed arrangement for Mississippi River should not be used for other rivers
 425.M6 General works
 425.M61 Conventions
 Arrange by date
 425.M62 Levees
 425.M63A-.M63W Levees of special states, A-W
 425.M65 Jetties
 425.M66A-.M66W Special states, A-W
 425.M67A-.M67Z Special cities, A-Z
 e.g.
 425.M67M5 Memphis
 Rivers of Canada
 426 General works
 426.5.A-Z Provinces, A-Z
 427.A-Z Special rivers and lakes, A-Z
 e.g.
 427.S3 St. Lawrence River
 Europe
 Rivers of Great Britain
 457 General works
 464.A-Z Special rivers and lakes, A-Z
 e.g.
 464.T4 Thames
 Rivers of Austria
 465 General works
 465.2.A-Z Special rivers and lakes, A-Z
 e.g.
 465.2.D2 Danube
 Rivers of France
 471 General works
 472.A-Z Special rivers and lakes, A-Z
 e.g.
 472.S4 Seine
 Asia
 South Asia
 Rivers of India
 503 General works
 503.5.A-Z Provinces, etc., A-Z
 504.A-Z Special rivers and lakes, A-Z
 e.g.
 504.I4 Indus River
 Rivers of Japan

	River, lake, and water-supply engineering (General)
	History and country divisions
	Special countries
	Asia
	Rivers of Japan -- Continued
505	General works
505.5.A-Z	Prefectures, etc., A-Z
506.A-Z	Special rivers and lakes, A-Z
529	Stream channelization. Channel improvement
	River protective works. Regulation. Flood control
	For local see TC415+
	Cf. HD1675+ Economic aspects
530	General works
531	Flood control channels
533	Levees
535	Jetties
537	Tree planting. Streambank planting
	Dams. Barrages
540	General works
541	Juvenile works
	Damsite selection
542	Dam geology
	For the geology of damsites of special areas see TC556+
542.5	Earthquakes and dams
	Dam types
543	Earthen dams
545	Wooden dams
547	Masonry dams. Concrete dams
549	Other (not A-Z)
	Including steel, movable, beartrap, needle
550	Dam safety
	For local see TC556+
550.2	Dam failures
	For local see TC556+
553	Sluices and gates
554	Trashracks
555	Wasteways, spillways, weirs, etc.
	Special countries
	United States
556	General works
556.5.A-Z	By region, A-Z
557.A-.W	By state, A-W
	<i>Under each:</i>
	.x <i>General works</i>
	.x2A-.x2Z <i>Special dams, A-Z</i>
	e.g.
	California
557.C2	General works
557.C3A-.C3Z	Special dams, A-Z
	e.g.
557.C3O76	Oroville Dam
557.3.A-Z	By river, A-Z
	Class here only rivers located in two or more states
	e.g.
557.3.P6	Potomac River

- Dams. Barrages
 - Special countries
 - United States -- Continued
 - 557.5.A-Z Other special dams, A-Z
 - Class here only dams located in two states
 - e.g.
 - 557.5.H6 Hoover Dam
 - 558.A-Z Other regions or countries, A-Z
 - Under each (unless otherwise specified):*
 - .x General works
 - .x2A-.x2Z Special dams, A-Z
 - e.g.
 - China
 - 558.C5 General works
 - 558.C52A-.C52Z Special dams, A-Z
 - e.g.
 - 558.C52S26 San Xia Dam. Three Gorges Dam
 - Three Gorges Dam see TC558.C52S26
 - Egypt
 - 558.E4 General works
 - 558.E5A-.E5Z Special dams, A-Z
 - e.g.
 - 558.E5A8 Aswan High Dam
 - Canals and inland navigation. Waterways
 - Cf. HE380.8+ Economic aspects
 - Cf. TC930 Irrigation canals
 - 601 Periodicals, societies, etc.
 - 605 Congresses
 - 607 Collected works (nonserial)
 - 615-727 History and country divisions (Table T1 modified)
 - Add country number in table to TC600
 - Class here special canals and locks
 - Special countries
 - America
 - North America
 - United States
 - 623 Canals (General)
 - 623.1 Great Lakes to Atlantic
 - 623.2 Great Lakes to Gulf of Mexico
 - 623.3 Mississippi to Atlantic
 - Intracoastal waterways
 - 623.4 Atlantic
 - 623.5 Gulf of Mexico
 - 623.7 Miscellaneous general projects
 - 624.A-.W Special states, A-W
 - 625.A-Z Special canals and locks, A-Z
 - Under each:*
 - .xA1-.xA3 Serial documents
 - .xA5 Special documents, by date
 - .xA6-.xZ General works
 - e.g.
 - 625.E6 Erie Canal
 - 625.M6 Middlesex Canal
 - Isthmian canals see TC773+
 - Europe
 - 655 General works

- Canals and inland navigation. Waterways
 - History and country divisions
 - Special countries
 - Europe -- Continued
 - 656.A-Z Special projects, A-Z
 - e.g.
 - 656.R5 Rhine-Main-Danube Waterway
 - Great Britain. England
 - 664.A-Z Cities (or other special), A-Z
 - e.g.
 - 664.M2 Manchester Ship Canal
 - Balkan Peninsula
 - 695.B2 General works
 - 695.B23A-.B23Z Special projects, A-Z
 - e.g.
 - 695.B23D3 Danube-Aegean project
 - Africa
 - Egypt
 - 718.A-Z Local or special, A-Z
 - Suez Canal see TC791
 - General works
 - 744 Early to 1800
 - 745 1800-
 - 751 Pocketbooks, tables, etc.
 - 753 General special
 - 755 Addresses, essays, lectures
 - Special aspects
 - 759 Canal embankments
 - 761 Canal locks
 - For special locks see TC615+
 - 762 Canal gates
 - Including operating devices
 - 763 Lifts and inclines
 - 764 Canal aqueducts
 - 765 Canalboats
 - 766 Resistance of water
 - Motive power. Towing
 - 767 General works
 - 769 Mechanical and electrical
 - 770 Ship canals (General)
 - For economic studies, traffic statistics, etc. see HE380.8+
 - Ship and boat railways
 - 771 General works
 - 772 Special (except Tehuantepec)
 - Tehuantepec Ship Railway see TC786
 - Isthmian canal projects (General)
 - 773 General works
 - Panama Canal
 - 774 General works
 - For economic aspects see HE537+
 - 777 Operation of the canal
 - Cf. HE538.A1+ Administration of the canal
 - 777.5 Miscellaneous uncataloged matter
 - Compagnie universelle du canal interocéanique de Panama
 - 778 General works
 - 778.B9 Bulletin du canal interocéanique

Canals and inland navigation. Waterways

Isthmian canal projects (General)

Panama Canal

Compagnie universelle du canal interoceanique de Panama

(778.1)

Annual report of directors

see HE537.33

778.2

Annual report of chief engineer

778.3

Other serial reports

778.5

Special reports. By date

(778.7)

Charter, bylaws

see HE537.37

778.8

Other printed matter

Compagnie nouvelle du canal de Panama

779

General works

779.B9

Bulletin

(779.1)

Annual report of directors

see HE537.43+

779.2

Annual report of chief engineer

779.3

Other serial reports

779.5

Special reports. By date

(779.7)

Charter, bylaws

see HE537.47

779.8

Other printed matter

780

The "Panama affair" and history of the companies

Panama Exposition

Preliminary

United States

781.A1-.A3

Documents

781.A4A-.A4W

States, A-W

781.A5A-.A5Z

Cities, A-Z

781.A6A-.A6Z

Other regions or countries, A-Z

781.A7

Nonofficial. By author

The Exposition

781.A8

Official guides

Histories and descriptions

781.B1

General works

781.B2

General special

781.C1

Collections of pictures, views, etc.

Official publications

Acts of incorporation, rules, organization, etc.

781.D1

General works

781.D13

Translations of acts

Rules, regulations, etc.

781.D15

General works

781.D17

Translations of rules, regulations, etc.

781.D2

General reports, proceedings, etc., of governing board

781.D25

Reports of national (government) commission

781.D3

General reports of special boards, commissions, etc.

781.D4

Congressional hearings and reports of national government on appropriations, etc.

By date

781.D5

Special reports. By date

General catalogs

781.D6

Official. By date

781.D7

Nonofficial

Subarranged by author

781.D8

Reports and awards of jurors

| | |
|--------------|---|
| | Canals and inland navigation. Waterways |
| | Isthmian canal projects (General) |
| | Panama Canal |
| | Panama Exposition |
| | The Exposition |
| | Official publications -- Continued |
| 781.D9 | Miscellaneous printed matter |
| 781.E1 | Official comprehensive reports on the exhibits by editorial commissions, etc. By date |
| 781.E1A-.E1Z | General official reports of other countries on exhibitions |
| | For their own exhibits see TC781.G1 |
| | Exhibits of the country in which the exhibition is held |
| 781.F1 | Collective |
| | Class here general only; special with subject |
| 781.F2 | Government exhibit |
| 781.F3 | State exhibits, etc. |
| 781.G1 | Exhibits of other countries |
| | Cf. TC781.E1A+ General official reports on exhibitions |
| 781.H1 | Parts of the exposition |
| | Works on various exhibits which cannot well be classified with any one subject, e. g. a |
| | work on an educational exhibit goes in class L, Education, subdivision Exhibits, but a |
| | work on Machinery hall is classed here |
| 781.K1 | Exhibits arranged by names of exhibitors |
| | Works on various exhibits which cannot well be classified with any one subject, e. g. a |
| | work on an educational exhibit goes in class L, Education, subdivision Exhibits, but a |
| | work on Machinery hall is classed here |
| 781.L1 | Miscellaneous |
| | Other than .A1-.K1 |
| 781.N1 | Congresses. General reports |
| | Other Isthmian canal projects |
| 784 | Nicaragua Canal |
| 785 | Tehuantepec Canal |
| 786 | Tehuantepec Ship Railway |
| 788 | Darien, Atrato and others |
| 791 | Suez Canal |
| | Irrigation engineering. Reclamation of wasteland |
| | Cf. HD1690+ Water rights |
| | Cf. HD1710.2+ Economic situation, history, etc. |
| | Cf. S604.8+ Agriculture |
| | Cf. SB112 Irrigation farming |
| | Cf. TC343+ Reclamation of land from the sea |
| 801 | Periodicals, societies, etc. |
| 803 | Congresses |
| 804 | Dictionaries and encyclopedias |
| 805 | General works |
| 809 | General special |
| 812 | Management of irrigation projects |
| 815-927 | History and country divisions (Table T1 modified) |
| | Add country number in table to TC800 |
| | Special countries |
| | Asia |
| | South Asia |
| | India |
| 903 | General works |
| 904.4.A-Z | Special projects, A-Z |
| 904.4.G2 | Ganges Canal |

- Irrigation engineering. Reclamation of wasteland -- Continued
- (927) Irrigation by pumping
 see TC929
- Biography
- 928 Collective
- 928.2.A-Z Individual, A-Z
- 929 Irrigation pumps
- 930 Irrigation canals
- 933 Irrigation flumes and conduits
- 937 Gates and other incidental structures
- Flooding of deserts and wastelands
- 950 General works
- Special
- 953 United States
- 955 Sahara
- 957.A-Z Other, A-Z
- Drainage
- Cf. HD1681+ Economics, public policy, etc.
- Cf. S621 Farmers' manuals
- 970 General works
- 973 Relief wells
- 974 Wellpoint system
- 974.2 Vertical drains
- 975 Reclamation of bogs, swamps, lakes, etc.
 Cf. TC343+ Reclamation of land from the sea
- Country divisions
- United States
- 976 General works
- 977.A-Z Regions or states, A-Z
- 978.A-Z Other regions or countries, A-Z
 Subarrange each country by Table T4a

| | |
|------|--------------------------------------|
| | Ocean engineering |
| | Cf. GC1000+ Marine resources |
| | Cf. TN291.5 Ocean mining |
| 1501 | Periodicals, societies, etc. |
| 1505 | Congresses |
| 1550 | Directories |
| 1645 | General works |
| 1650 | General special |
| 1655 | Study and teaching |
| 1657 | Electricity in ocean engineering |
| 1660 | Patents |
| 1662 | Remotely operated vehicles |
| | Offshore structures |
| 1665 | General works |
| 1670 | Corrosion |
| 1680 | Models |
| | Compliant platforms |
| 1700 | General works |
| 1702 | Semi-submersible offshore structures |
| 1703 | Tension leg platforms |
| 1800 | Underwater pipelines |

Environmental technology. Sanitary engineering

Including the promotion and conservation of the public health, comfort, and convenience by the control of the environment

Cf. GE170+ Environmental policy

Cf. GF51 Human beings and the environment

Cf. RA565+ Environmental health

Cf. TA163 Sustainable engineering

Cf. TH6014+ Environmental engineering in buildings

Periodicals and societies. By language of publication

1 English

2 French

3 German

4 Other languages (not A-Z)

5 Congresses

Exhibitions. Museums

6.A1 General works

6.A2-Z By region or country, A-Z

Subarrange each country by Table T4b

7 Collected works (nonserial)

9 Dictionaries and encyclopedias

12 Directories

History

15 General works

16 Ancient

17 Medieval

18 Modern to 1800

19 Nineteenth century

20 Twentieth century

Country and city subdivisions

Including municipal reports of public sanitary works

America

21 General works

North America

22 General works

United States

23 General works

23.1 Eastern states. Atlantic coast

23.15 New England

23.2 Appalachian region

23.3 Great Lakes region

23.4 Midwest. Mississippi Valley

23.5 South. Gulf states

23.6 West

23.7 Northwest

23.8 Pacific coast

23.9 Southwest

24.A-.W States, A-W

e.g.

24.A4 Alaska

24.H3 Hawaii

25.A-Z Cities or other special, A-Z

Canada

26.A1 General works

26.A6-Z Provinces, A-Z

27.A-Z Local (Cities, etc.), A-Z

27.5 Latin America

Country and city subdivisions

America -- Continued

Mexico

- 28.A1 General works
- 28.A6-Z States, provinces, etc., A-Z
- 29.A-Z Local (Cities, etc.), A-Z

Central America

- 30 General works
- 31.A-Z Special countries, A-Z

South America

- 34 General works
- Argentina
- 36.A1 General works
- 36.A6-Z States, provinces, etc., A-Z
- 37.A-Z Local (Cities, etc.), A-Z

Bolivia

- 38.A1 General works
- 38.A6-Z States, provinces, etc., A-Z
- 39.A-Z Local (Cities, etc.), A-Z

Brazil

- 41.A1 General works
- 41.A6-Z States, provinces, etc., A-Z
- 42.A-Z Local (Cities, etc.), A-Z

Chile

- 43.A1 General works
- 43.A6-Z States, provinces, etc., A-Z
- 44.A-Z Local (Cities, etc.), A-Z

Colombia

- 45.A1 General works
- 45.A6-Z States, provinces, etc., A-Z
- 46.A-Z Local (Cities, etc.), A-Z

47 Ecuador

48 Guyana

49 Suriname

50 French Guiana

51 Paraguay

52 Peru

53 Uruguay

54 Venezuela

Europe

- 55 General works
- Great Britain. England
- 57 General works
- 58.A-Z English counties or regions, A-Z
- Ireland

- 59 General works
- 59.2 Irish Free State. Ireland (Eire)
- 59.3 Northern Ireland
- 60.A-Z Special counties, A-Z

Scotland

- 61 General works
- 62.A-Z Special counties, A-Z
- 63 Wales
- 64.A-Z Cities or other special, A-Z

Austria

- 65.A1 General works

Country and city subdivisions

Europe

Austria -- Continued

65.A6-Z States, provinces, etc., A-Z

65.2.A-Z Local (Cities, etc.), A-Z

Czechoslovakia

65.3.A1 General works

65.3.A6-Z States, provinces, etc., A-Z

65.4.A-Z Local (Cities, etc.), A-Z

Hungary

65.5 General works

65.9.A-Z Special counties, A-Z

66.A-Z Cities or other special, A-Z

Belgium

67.A1 General works

67.A6-Z States, provinces, etc., A-Z

68.A-Z Local (Cities, etc.), A-Z

Denmark

69.A1 General works

69.A6-Z States, provinces, etc., A-Z

70.A-Z Local (Cities, etc.), A-Z

France

71.A1 General works

71.A6-Z States, provinces, etc., A-Z

72.A-Z Local (Cities, etc.), A-Z

72.5 Colonies (Collectively)

Germany

73 General works

73.1 East Germany. Eastern Germany

73.2 Baden-Württemberg

73.3 Bavaria

73.4 Hesse

73.5 Prussia

73.6 Saxony

73.7 North Rhine-Westphalia

73.9.A-Z Other states, A-Z

74.A-Z Cities or other special, A-Z

74.5 Colonies (Collectively)

Greece

75.A1 General works

75.A6-Z States, provinces, etc., A-Z

76.A-Z Local (Cities, etc.), A-Z

Netherlands

77.A1 General works

77.A6-Z States, provinces, etc., A-Z

78.A-Z Local (Cities, etc.), A-Z

Italy

79.A1 General works

79.A6-Z States, provinces, etc., A-Z

80.A-Z Local (Cities, etc.), A-Z

80.5

Malta

Norway

81.A1 General works

81.A6-Z States, provinces, etc., A-Z

82.A-Z Local (Cities, etc.), A-Z

Portugal, Azores, etc.

Country and city subdivisions

Europe

Portugal, Azores, etc. -- Continued

83.A1

General works

83.A6-Z

States, provinces, etc., A-Z

84.A-Z

Local (Cities, etc.), A-Z

84.5

Colonies (Collectively)

Russia in Europe

85.A1

General works

85.A6-Z

States, provinces, etc., A-Z

86.A-Z

Local (Cities, etc.), A-Z

Spain

87.A1

General works

87.A6-Z

States, provinces, etc., A-Z

88.A-Z

Local (Cities, etc.), A-Z

88.5

Scandinavia

Sweden

89.A1

General works

89.A6-Z

States, provinces, etc., A-Z

90.A-Z

Local (Cities, etc.), A-Z

Switzerland

91.A1

General works

91.A6-Z

States, provinces, etc., A-Z

92.A-Z

Local (Cities, etc.), A-Z

95.A-Z

Other regions and countries, A-Z

95.A2

Balkan Peninsula

95.A38

Albania

95.A44

Alps

95.A48

Andorra

95.B3

Baltic Sea

95.B43

Belarus

95.B45

Benelux countries

95.B9

Bulgaria

95.C37

Carpathian Mountains

95.D35

Danube River

95.F5

Finland

95.I43

Iceland

95.L285

Lapland

95.L37

Latvia

95.L78

Lithuania

95.L9

Luxemburg

95.M4

Mediterranean Region

95.N67

North Sea

95.P7

Poland

95.P75

Pomerania (Poland and Germany)

95.R48

Rhine River

95.R6

Romania

95.S55

Slovenia

95.T48

Thrace

95.U95

Ukraine

95.Y8

Yugoslavia

Asia

99

General works

China

For Hong Kong see TD113.H85

101.A1

General works

Country and city subdivisions

Asia

China -- Continued

101.A6-Z States, provinces, etc., A-Z

102.A-Z Local (Cities, etc.), A-Z

Taiwan

102.5.A1 General works

102.5.A6-Z States, provinces, etc., A-Z

102.6.A-Z Local (Cities, etc.), A-Z

South Asia

102.9 General works

India

103.A1 General works

103.A6-Z States, provinces, etc., A-Z

104.A-Z Local (Cities, etc.), A-Z

Pakistan

104.5.A1 General works

104.5.A6-Z States, provinces, etc., A-Z

104.6.A-Z Local (Cities, etc.), A-Z

Bangladesh

104.65.A1 General works

104.65.A6-Z States, provinces, etc., A-Z

104.66.A-Z Local (Cities, etc.), A-Z

Sri Lanka. Ceylon

104.7.A1 General works

104.7.A6-Z States, provinces, etc., A-Z

104.8.A-Z Local (Cities, etc.), A-Z

Japan

105.A1 General works

105.A6-Z States, provinces, etc., A-Z

106.A-Z Local (Cities, etc.), A-Z

Korea

Including South Korea

106.5.A1 General works

106.5.A6-Z States, provinces, etc., A-Z

106.6.A-Z Local (Cities, etc.), A-Z

North Korea

106.7.A1 General works

106.7.A6-Z States, provinces, etc., A-Z

106.8.A-Z Local (Cities, etc.), A-Z

Iran. Persia

107.A1 General works

107.A6-Z States, provinces, etc., A-Z

108.A-Z Local (Cities, etc.), A-Z

Russia in Asia. Siberia

109.A1 General works

109.A6-Z States, provinces, etc., A-Z

110.A-Z Local (Cities, etc.), A-Z

Turkey. Asia Minor

111.A1 General works

111.A6-Z States, provinces, etc., A-Z

112.A-Z Local (Cities, etc.), A-Z

113.A-Z Other divisions of Asia, A-Z

113.A3 Afghanistan

113.B54 Borneo

113.B7 Brunei

Country and city subdivisions

Asia

Other divisions of Asia, A-Z -- Continued

| | |
|----------|--------------------------------------|
| 113.B8 | Burma. Myanmar |
| 113.C16 | Cambodia |
| 113.C9 | Cyprus |
| 113.G39 | Gaza Strip |
| 113.H85 | Hong Kong |
| 113.I55 | Indonesia |
| 113.I7 | Iraq |
| 113.I75 | Israel |
| 113.J6 | Jordan |
| 113.K85 | Kuwait |
| 113.L28 | Laos |
| 113.L4 | Lebanon |
| 113.M2 | Macau |
| 113.M318 | Malaya |
| 113.M32 | Malaysia |
| 113.M45 | Mekong River Valley |
| | Myanmar see TD113.B8 |
| 113.N4 | Nepal |
| 113.P6 | Philippines |
| 113.Q36 | Qatar |
| 113.S33 | Saudi Arabia |
| 113.S53 | Singapore |
| 113.S6 | Southeast Asia |
| 113.S94 | Syria |
| 113.T48 | Thailand |
| 113.U54 | United Arab Emirates |
| 113.V5 | Vietnam |
| 113.W48 | West Bank |
| 113.Y45 | Yemen (People's Democratic Republic) |

113.5 Middle East

114 Arab countries

114.5 Islamic countries

Africa

115 General works

Egypt

117.A1 General works

117.A6-Z States, provinces, etc., A-Z

118.A-Z Local (Cities, etc.), A-Z

119.A-Z Other divisions of Africa, A-Z

119.A4 Algeria

119.A5 Angola

119.B57 Botswana

119.B85 Burundi

119.C17 Cameroon

119.C42 Central Africa

119.C43 Central Africa Republic

119.C75 Congo (Brazzaville)

Congo (Democratic Republic) see TD119.Z3

Côte d'Ivoire see TD119.I9

119.D3 Dahomey

119.D55 Djibouti

119.E18 East Africa

119.E19 Eastern Africa

Country and city subdivisions

Africa

Other divisions of Africa, A-Z -- Continued

119.E8 Ethiopia
 119.F82 French-speaking Equatorial Africa
 119.F83 French-speaking West Africa
 119.G23 Gabon
 119.G45 Ghana
 119.G92 Guinea
 119.G94 Guinea-Bissau
 119.I9 Ivory Coast. Côte d'Ivoire
 119.K4 Kenya
 119.L45 Lesotho
 119.L49 Liberia
 119.L74 Libya
 119.M28 Madagascar
 119.M3 Malawi
 119.M34 Mali
 119.M39 Mauritania
 119.M6 Morocco
 119.M85 Mozambique
 Namibia see TD119.S68
 119.N53 Niger
 119.N54 Nigeria
 119.N6 Nile River Valley
 119.R45 Rhodesia, Southern. Zimbabwe
 119.R9 Rwanda
 119.S18 Sahel
 119.S38 Senegal
 119.S5 Sierra Leone
 119.S59 Somalia
 119.S6 South Africa
 119.S64 Southern Africa
 119.S68 Southwest Africa. Namibia
 119.S73 Sub-Saharan Africa
 119.S74 Sudan
 119.S87 Swaziland
 119.T35 Tanzania
 119.T64 Togo
 119.T8 Tunisia
 119.U4 Uganda
 119.U66 Upper Volta
 119.W48 West Africa
 119.Z3 Zaire. Congo (Democratic Republic)
 119.Z34 Zambia
 Zimbabwe see TD119.R45

Indian Ocean islands

120 General works
 120.5.A-Z Special islands, A-Z
 120.5.M38 Mauritius
 120.5.R48 Réunion

Australasia

120.7 General works
 Australia
 121.A1 General works
 121.A6-Z States, provinces, etc., A-Z

| | |
|------------|--|
| | Country and city subdivisions |
| | Australasia |
| | Australia -- Continued |
| 122.A-Z | Local (Cities, etc.), A-Z |
| | New Zealand |
| 122.5.A1 | General works |
| 122.5.A6-Z | States, provinces, etc., A-Z |
| 122.6.A-Z | Local (Cities, etc.), A-Z |
| 122.7 | Papua New Guinea |
| | Pacific islands |
| 123 | General works |
| 124.A-Z | By island, A-Z |
| | Arctic regions |
| 125 | General works |
| 125.5 | Greenland |
| 126 | Antarctica |
| 126.5 | Tropics |
| 127 | Developing countries |
| | Biography |
| 139 | Collective |
| 140.A-Z | Individual, A-Z |
| | General works |
| 144 | Early through 1850 |
| 145 | 1851- |
| 146 | Elementary textbooks |
| 148 | Popular works |
| 151 | Pocketbooks, tables, etc. |
| 153 | General special |
| 155 | Addresses, essays, lectures |
| 156 | Environmental and sanitary engineering as a profession |
| | Study and teaching |
| 157 | General works |
| 157.15 | Problems, exercises, etc. |
| | By region or country |
| | United States |
| 157.2 | General works |
| 157.3.A-Z | By region or state, A-Z |
| | Subarrange each country by Table T4a |
| 157.4.A-Z | Other regions or countries, A-Z |
| | Subarrange each country by Table T4a |
| 157.5 | Research |
| 158 | Remote sensing |
| | Municipal engineering |
| | Cf. GV421+ Playgrounds |
| | Cf. HD7285+ Housing |
| | Cf. SB481.A1+ Parks |
| | Cf. TE1+ Streets and roads |
| | Cf. TH350 Engineering of the subdivision |
| 159.A1 | Periodicals, societies, congresses, etc. |
| 159.A5-Z | General works |
| 159.3 | General special |
| | By region or country see TD21+ |
| 159.4 | Smart cities |
| 159.5 | Department organization and management |

| | |
|------------|---|
| | Municipal engineering -- Continued |
| | Planning and laying out cities |
| | Cf. HT165.5+ City planning (Urban sociology) |
| | Cf. HT170+ Urban renewal |
| | Cf. NA9000+ City planning (Architecture) |
| 160 | General works |
| 163 | General special |
| 167 | City surveying |
| 168 | Underground utility lines |
| 168.5 | Climatic factors |
| | Environmental protection |
| | Cf. GE170+ Environmental policy |
| 169 | Periodicals, societies, congresses, etc. |
| 169.3 | Dictionaries and encyclopedias |
| 169.5 | Information services |
| 169.6 | Directories |
| 170 | General works |
| 170.15 | Juvenile works |
| 170.2 | General special |
| 170.3 | Addresses, essays, lectures |
| | Study and teaching |
| 170.6 | General works |
| | By region or country |
| 170.7 | United States |
| 170.8.A-Z | Other regions or countries, A-Z |
| | Research |
| 170.9 | General works |
| | By region or country |
| 170.93 | United States |
| 170.94.A-Z | Other regions or countries, A-Z |
| | Special regions or countries |
| | United States |
| 171 | General works |
| 171.3.A-Z | By region or state, A-Z |
| | Subarrange each state by Table T4a |
| 171.5.A-Z | Other regions or countries, A-Z |
| | Subarrange each country by Table T4a |
| 171.7 | Citizen participation |
| 171.75 | Climate change mitigation |
| 171.8 | Decision making |
| 171.9 | Environmental geotechnology |
| | Environmental pollution |
| | Including its control |
| | Class special types of pollution with the type, e.g. GC1080+ Marine pollution; TD196.R3 |
| | Radioactive pollution; TD419+ Water pollution; TD881+ Air pollution; TD891+ Noise pollution, etc. |
| | Cf. SB744.5+ Crops and pollution |
| 172 | Periodicals, societies, etc. |
| 172.5 | Congresses |
| 173 | Dictionaries and encyclopedias |
| 173.5 | Directories |
| 174 | General works |
| 175 | Popular works |
| 176 | Juvenile works |
| 176.4 | Pocketbooks, tables, etc. |
| 176.7 | Addresses, essays, lectures |

| | |
|------------|---|
| | Environmental pollution -- Continued |
| 177 | General special |
| 177.8 | Vocational guidance for pollution control personnel |
| | Study and teaching |
| 178 | General works |
| | Special countries |
| 178.3 | United States |
| 178.4.A-Z | Other countries, A-Z |
| | Research |
| 178.5 | General works |
| | Special countries |
| 178.6 | United States |
| 178.7.A-Z | Other countries, A-Z |
| | Environmental laboratories |
| 178.8.A1 | General works |
| 178.8.A2-Z | By region or country, A-Z |
| | <i>Under each country:</i> |
| | .x <i>General works</i> |
| | .x2A-.x2Z <i>By state, province, etc., A-Z</i> |
| | .x3A-.x3Z <i>Special. By city, A-Z</i> |
| 179 | History |
| | Special countries |
| | North America |
| 179.5 | General works |
| | United States |
| 180 | General works |
| 181.A-Z | By region or state, A-Z |
| | Subarrange each country by Table T4a |
| | Canada |
| 182 | General works |
| 182.4.A-Z | By region or province, A-Z |
| | Subarrange each province by Table T4a |
| | Mexico |
| 182.6 | General works |
| 182.7.A-Z | By region or state, A-Z |
| | Subarrange each state by Table T4a |
| | Central America |
| 183 | General works |
| 183.5.A-Z | By country, A-Z |
| | Subarrange each country by Table T4a |
| | West Indies |
| 184 | General works |
| 184.5.A-Z | By country, A-Z |
| | Subarrange each country by Table T4a |
| | South America |
| 185 | General works |
| 185.5.A-Z | By country, A-Z |
| | Subarrange each country by Table T4a |
| | Europe |
| 186 | General works |
| 186.5.A-Z | By country, A-Z |
| | Subarrange each country by Table T4a |
| | Asia |
| 187 | General works |
| 187.5.A-Z | By country, A-Z |
| | Subarrange each country by Table T4a |

| | |
|-----------|--|
| | Environmental pollution |
| | Special countries -- Continued |
| | Africa |
| 188 | General works |
| 188.5.A-Z | By country, A-Z |
| | Subarrange each country by Table T4a |
| | Oceania |
| 189 | General works |
| 189.5.A-Z | By country, A-Z |
| | Subarrange each country by Table T4a |
| | e.g. |
| 189.5.A8 | Australia (Table T4a) |
| 189.5.N4 | New Zealand (Table T4a) |
| | Polar regions |
| 190 | General works |
| 190.5 | Arctic regions |
| 190.7 | Antarctica |
| 191 | Developing countries |
| | Pollution control methods |
| 191.5 | General works |
| 192 | Equipment and supplies |
| | Special methods |
| | Chemical treatment |
| 192.2 | General works |
| 192.3 | Catalysis |
| 192.4 | Lime treatment |
| 192.45 | Oxidation |
| | Biological treatment. Bioremediation |
| 192.5 | General works |
| 192.6 | Fertilization |
| 192.7 | Seeding |
| 192.72 | Fungal remediation |
| 192.75 | Phytoremediation |
| 192.8 | In situ remediation |
| | Measurement of pollution. Sampling and analysis. Environmental chemistry |
| | For measurement or analysis of specific pollutants see TD196.A+ |
| 193 | General works |
| (193.2) | Environmental indicators |
| | see GE140+ |
| 193.3 | Cross-media pollution |
| 193.4 | Environmental forensics |
| 193.5 | Risk assessment |
| | Cf. GE145+ Environmental risk assessment |
| | Environmental effects of industries and plants |
| | Cf. HD30.255 Environmental aspects of industrial management |
| | Cf. TD419+ Water pollution |
| | Cf. TD881+ Air pollution |
| | Cf. TD891+ Noise pollution |
| | Cf. TD896+ Industry and factory wastes |
| 194 | General works |
| 194.4 | General special |
| | Environmental impact statements |
| 194.5 | General works |
| | By region or country |
| | United States |
| 194.55 | General works |

- Environmental effects of industries and plants
- Environmental impact statements
 - By region or country
 - United States -- Continued
- 194.56.A-Z By region or state, A-Z
 - Subarrange each state by Table T4a
- 194.58.A-Z Other regions or countries, A-Z
 - Subarrange each country by Table T4a
- Environmental impact analysis
- 194.6 General works
- 194.64 Study and teaching
- By region or country
 - United States
 - General works
- 194.65 General works
- 194.66.A-Z By region or state, A-Z
 - Subarrange each state by Table T4a
- 194.68.A-Z Other regions or countries, A-Z
 - Subarrange each country by Table T4a
- Environmental auditing
- 194.7 General works
- Environmental reporting
- 194.8 General works
- 194.83.A-Z By region or country, A-Z
- 195.A-Z Special industries, facilities, activities, etc., A-Z
- 195.A27 Aeronautics
 - Including air transportation
- 195.A33 Aggregate industry
- 195.A34 Agriculture
 - Class here works on agricultural pollution, i.e. agriculture as a source of pollution
 - Cf. S589.7 Agricultural ecology
 - Cf. S589.75+ Agriculture and the environment
 - Cf. TD930+ Agricultural wastes
- 195.A36 Airports
- 195.A37 Aluminum industry. Bauxite industry
- 195.A44 Ammonia industry
- Amphitheaters see TD195.S68
- Architectural engineering see TD195.C595
- 195.A75 Armed Forces
- Atomic power plants see TD195.E4
- 195.B34 Ballistic missile defenses
- Baseball fields see TD195.S68
- Bauxite industry see TD195.A37
- 195.B56 Biomass energy
- 195.B58 Biotechnology
- 195.B63 Boats and boating
- 195.B74 Bridges
- 195.B84 Building materials industry
- 195.B87 Business parks
- 195.C42 Ceramic industries
- 195.C45 Chemical plants
- 195.C47 Church facilities
- 195.C54 Civil engineering
- 195.C58 Coal mines and mining
- 195.C59 Cobalt mines and mining
- 195.C595 Construction industry
- 195.C6 Cooling towers

Environmental effects of industries and plants

Special industries, facilities, activities, etc., A-Z -- Continued

Correctional institutions see TD195.P74

- 195.D35 Dams
- 195.D5 Diamond mines and mining
- 195.D53 Diaper industry
- 195.D72 Dredging
- 195.D78 Drug factories
- 195.E25 Economic development
- 195.E37 Electric lines. Telecommunication lines
- 195.E4 Electric power plants
 - Cf. SH173 Effect on fish culture
- 195.E43 Electrochemistry, Industrial
- 195.E45 Electroplating
- 195.E49 Elementary school buildings see TD195.S33
- 195.E5 Energy development
- 195.E5 Energy facilities
- 195.F46 Fertilizer industry
- 195.F52 Fishery processing industries
- 195.F57 Food industry
- 195.F6 Football stadiums see TD195.S68
- 195.G3 Forestry see SD387.E58
- 195.G3 Foundries
- 195.G46 Gas industry
- 195.G57 Geothermal power plants
- 195.G64 Glass manufacture
- 195.G66 Gold industry
- 195.H39 Golf courses
- 195.H54 Hazardous waste management industry
- 195.H66 High school buildings see TD195.S33
- 195.H67 High technology industries
- 195.H93 Horse racetracks see TD195.R26
- 195.I52 Hospitals
- 195.I54 Hotels. Office buildings
- 195.I76 Hydraulic engineering
- 195.J48 Incineration
- 195.L4 Industrial districts
- 195.L52 Ironworks
- 195.L53 Jails see TD195.P74
- 195.L55 Jetties
- 195.M33 Leather industry
- 195.M37 Lighting
 - Including the environmental effects of light pollution
- 195.M39 Lignite industry
- 195.M42 Limestone industry
- 195.M45 Magnesium industry and trade
- 195.M46 Marinas
- 195.M48 Marine terminals
- 195.M5 Metalworking industries
- 195.M67 Military aeronautics
- 195.N38 Military bases
 - For navy-yards and naval stations see TD195.N38
- 195.N38 Mine subsidences
- 195.N38 Mineral industries
- 195.N38 Motorsports
- 195.N38 Navy-yards and naval stations

Environmental effects of industries and plants

Special industries, facilities, activities, etc., A-Z -- Continued

| | |
|----------|---|
| 195.N47 | New towns |
| 195.N65 | Nonferrous metal industries |
| 195.N83 | Nuclear facilities (General) |
| | Cf. TD195.E4 Electric power plants |
| | Nuclear power plants see TD195.E4 |
| 195.N85 | Nuclear weapons plants |
| 195.O25 | Ocean mining |
| | Office buildings see TD195.H67 |
| 195.O4 | Oil-shale industry |
| 195.P26 | Package goods industry |
| 195.P35 | Paint industry |
| 195.P36 | Palm oil industry |
| 195.P37 | Paper and pulp mills |
| 195.P375 | Parking facilities |
| | Including parking lots and parking garages |
| 195.P38 | Peat mining |
| 195.P39 | Petrochemicals industry |
| 195.P4 | Petroleum industry |
| | Cf. TD427.P4 Water pollution |
| | Cf. TD888.P4 Air pollution |
| 195.P46 | Phosphate mines and mining |
| 195.P47 | Phosphatic fertilizer industry |
| 195.P5 | Pipelines |
| 195.P516 | Planned unit developments |
| 195.P52 | Plastics industry |
| 195.P64 | Police stations |
| | Power resource development see TD195.E49 |
| 195.P7 | Printing industry |
| 195.P74 | Prisons. Jails. Correctional institutions |
| 195.P76 | Proving grounds |
| 195.P82 | Public housing |
| | Public school closings see TD195.S333 |
| 195.P83 | Public utilities |
| 195.Q3 | Quarries and quarrying |
| 195.R26 | Racetracks (Horse racing) |
| 195.R33 | Railroads |
| 195.R34 | Rainmaking |
| 195.R4 | Reactor fuel reprocessing plants |
| 195.R45 | Research natural areas |
| 195.R47 | Reservoirs |
| 195.R49 | Resource recovery facilities |
| 195.R493 | Retail trade |
| | Including retail stores |
| 195.R495 | Retirement communities |
| 195.R53 | Rifle ranges |
| 195.R63 | Roads |
| 195.S26 | Salt mines and mining |
| 195.S3 | Sand and gravel industry |
| 195.S33 | School buildings |
| | Including elementary school buildings and high school buildings |
| 195.S333 | School closings |
| | Including public school closings |
| 195.S36 | Scrap metal industry |
| 195.S47 | Sewage disposal plants |

Environmental effects of industries and plants

Special industries, facilities, activities, etc., A-Z -- Continued

- 195.S52 Shopping centers
- 195.S54 Silicon industry
- 195.S57 Ski resorts
- Soccer fields see TD195.S68
- 195.S64 Solar energy
- 195.S65 Spillways
- 195.S68 Stadiums. Amphitheatres
 - Including baseball fields, football stadiums, and soccer fields
- 195.S7 Steelworks
- Stores, Retail see TD195.R493
- 195.S75 Strip mining
 - Cf. QH545.S84 Ecology
- 195.S9 Subways
- 195.S93 Sugar cane industry
- 195.S95 Synthetic fuels industry
- 195.T35 Tanneries
- Telecommunication lines see TD195.E37
- 195.T48 Textile industry
- 195.T56 Tin mines and mining
- 195.T68 Tourist trade
- 195.T7 Transportation
 - Cf. TD195.R63 Roads
 - Cf. TD195.S9 Subways
- 195.U7 Uranium industry
- 195.W29 War
- 195.W295 Waste disposal sites
- 195.W3 Water-supply engineering
- 195.W54 Wind power industry
- 195.W6 Wood-using industries
- Special environmental pollutants
- Acid precipitation. Acid rain. Acid deposition
 - Cf. QC926.5+ Meteorological aspects
- 195.4 Periodicals, societies, congresses, etc.
- 195.42 General works
- 195.44 Juvenile works
- 195.46 Handbooks, manuals, etc.
- By region or country
 - United States
 - General works
 - By region or state, A-Z
 - Subarrange each state by Table T4a
 - Other regions or countries, A-Z
 - Subarrange each country by Table T4a
- 195.56.A-Z Special topics, A-Z
 - For local see TD195.5+
- 195.56.E35 Economic aspects
- 196.A-Z Other environmental pollutants, A-Z
 - Acetates
 - Acetic acid
 - Agricultural chemicals
 - Aromatic compounds
 - Arsenic
 - Asbestos
 - Benzene

Special environmental pollutants

Other environmental pollutants, A-Z -- Continued

| | |
|---------|---|
| 196.B4 | Benzpyrene |
| 196.B85 | Building materials |
| 196.C28 | Cadmium |
| | Calcium oxide see TD196.L55 |
| 196.C33 | Carbolic acid |
| 196.C45 | Chemicals |
| 196.C5 | Chlorine compounds |
| 196.C53 | Chromium |
| 196.C63 | Coal |
| | Contaminated processed metals see TD196.M4 |
| 196.C93 | Cyanides |
| 196.C94 | Cyclododecane |
| 196.C95 | Cyclohexane |
| 196.D48 | Detergents |
| | Cf. RA1242.D4 Toxicology of detergents |
| | Cf. TD427.D4 Detergent pollution of water |
| 196.D56 | Dioxins |
| 196.D78 | Drugs |
| 196.E86 | Ethylene oxide |
| 196.F47 | Fertilizers |
| 196.F54 | Fluorine compounds |
| 196.F55 | Fluorocarbons |
| | Cf. TD887.F67 Fluorocarbon pollution of air |
| 196.F65 | Formaldehyde |
| 196.F67 | Fossil fuels |
| | Cf. TD887.F69 Fossil fuel pollution of air |
| 196.F85 | Fumigants |
| 196.H35 | Halogen organic compounds |
| 196.H4 | Heat |
| | Cf. TD427.H4 Heat pollution of water |
| 196.H43 | Heavy elements |
| | Heavy metals see TD196.M4 |
| 196.H47 | Herbicides |
| 196.H94 | Hypochlorites |
| 196.L4 | Lead |
| 196.L55 | Lime |
| 196.M38 | Mercury |
| | Cf. TD427.M4 Mercury pollution of water |
| | Cf. TD887.M37 Mercury pollution of air |
| 196.M4 | Metals. Heavy metals. Contaminated processed metals |
| | Cf. TD427.M44 Heavy metal pollution of water |
| 196.M48 | Methoxychlor |
| 196.N36 | Nanoparticles. Nanostructured materials |
| 196.N48 | Nickel |
| 196.N55 | Nitrogen and nitrogen compounds |
| 196.O73 | Organic compounds |
| 196.O75 | Organolead compounds |
| 196.O76 | Organometallic compounds |
| 196.O95 | Oxidizing agents |
| 196.P28 | Palladium |
| 196.P36 | Peroxyacetyl nitrate |
| 196.P38 | Pesticides |
| | Cf. QH545.P4 Effect on plants and animals |

Special environmental pollutants

Other environmental pollutants, A-Z -- Continued

196.P4

Petroleum

Cf. TD427.P4 Petroleum pollution of water

Cf. TD879.P4 Petroleum pollution of soil

196.P45

Phosphates

196.P46

Phosphogypsum

196.P47

Phthalate esters

196.P5

Plastics

Cf. TD798 Plastic waste

196.P53

Platinum group

196.P65

Polychlorinated biphenyls

196.P67

Polyethylene glycols

196.R3

Radioactive pollution

Cf. TD427.R3 Radioactive pollution of water

Cf. TD812+ Municipal radioactive wastes

Cf. TD879.R34 Radioactive pollution of soils

Cf. TD887.R3 Radioactive substances in air

Cf. TD898 Radioactive substances in air

196.R33

Radon

196.S48

Silver

196.S52

Sodium hydroxide

196.S54

Solvents

196.S56

Soot

196.S95

Sulfur

196.T45

Thallium

196.T7

Trace elements

196.T74

Tritium

196.U73

Urea

196.V35

Vanadium

196.W66

Wood waste

196.Z56

Zinc

Water supply for domestic and industrial purposes

Class here works on the supplying of usable water to consumers, including works on the water-supply systems and available resources of specific localities and works dealing with both water supply and sewerage

For water supply in specific industries, see the industry, e.g. TS1116.2 Paper industry

For works describing the hydrology of a region without regard to development see GB651+

For water supply and public health see RA591+

For general works on water-supply engineering (including the design and construction of works to procure water), as well as works on the development of the water resources of a watershed see TC401+

For rural water supply see TD927

Periodicals. Societies. Congresses. By language of publication

201

English

202

French

203

German

204

Other languages (not A-Z)

208

Dictionaries and encyclopedias

Communication of water supply information

209

General works

211

Information services

History

215

General works

216

Ancient

217

Medieval

| | |
|----------|---|
| | Water supply for domestic and industrial purposes |
| | History -- Continued |
| 218 | Modern |
| 219 | Nineteenth century |
| 220 | Twentieth century |
| 220.2 | Twenty-first century |
| | Country subdivisions |
| | Including all local or departmental reports |
| | America |
| 221 | General works |
| | North America |
| 222 | General works |
| | United States |
| 223 | General works |
| 223.1 | Eastern states. Atlantic coast |
| 223.13 | Northeastern states |
| 223.15 | New England |
| 223.17 | Middle Atlantic states |
| | Including the Chesapeake Bay region |
| 223.2 | Appalachian region |
| 223.3 | Great Lakes region |
| 223.4 | Midwest. Mississippi Valley |
| 223.5 | South. Gulf states |
| 223.6 | West |
| 223.7 | Northwest |
| 223.8 | Pacific coast |
| 223.9 | Southwest |
| 224.A-.W | States, A-W |
| | e.g. |
| 224.A4 | Alaska |
| 224.H3 | Hawaii |
| 225.A-Z | Cities or other special, A-Z |
| | Canada |
| 226 | General works |
| 227.A-Z | Provinces (or other special), A-Z |
| 227.5 | Latin America |
| | Mexico |
| 228.A1 | General works |
| 228.A6-Z | States, provinces, etc., A-Z |
| 229.A-Z | Local (Cities, etc.), A-Z |
| | Central America |
| 230 | General works |
| 231.A-Z | Special countries, A-Z |
| | West Indies |
| 232 | General works |
| 233.A-Z | Special islands, A-Z |
| | South America |
| 234 | General works |
| | Argentina |
| 236.A1 | General works |
| 236.A6-Z | States, provinces, etc., A-Z |
| 237.A-Z | Local (Cities, etc.), A-Z |
| | Bolivia |
| 238.A1 | General works |
| 238.A6-Z | States, provinces, etc., A-Z |
| 239.A-Z | Local (Cities, etc.), A-Z |

Water supply for domestic and industrial purposes

Country and city subdivisions

America

South America -- Continued

Brazil

- 241.A1 General works
- 241.A6-Z States, provinces, etc., A-Z
- 242.A-Z Local (Cities, etc.), A-Z

Chile

- 243.A1 General works
- 243.A6-Z States, provinces, etc., A-Z
- 244.A-Z Local (Cities, etc.), A-Z

Colombia

- 245.A1 General works
- 245.A6-Z States, provinces, etc., A-Z
- 246.A-Z Local (Cities, etc.), A-Z

247 Ecuador

248 Guyana

249 Suriname

250 French Guiana

251 Paraguay

252 Peru

253 Uruguay

254 Venezuela

Europe

255 General works

Great Britain. England

257 General works

258.A-Z English counties or regions, A-Z

Ireland

259 General works

259.2 Irish Free State. Ireland (Eire)

259.3 Northern Ireland

260.A-Z Special counties, A-Z

Scotland

261 General works

262.A-Z Special counties, A-Z

263 Wales

264.A-Z Cities or other special, A-Z

Austria

265.A1 General works

265.A6-Z States, provinces, etc., A-Z

265.2.A-Z Local (Cities, etc.), A-Z

Czechoslovakia

265.3.A1 General works

265.3.A6-Z States, provinces, etc., A-Z

265.4.A-Z Local (Cities, etc.), A-Z

Hungary

265.5 General works

265.9.A-Z Special counties, A-Z

266.A-Z Cities or other special, A-Z

Belgium

267.A1 General works

267.A6-Z States, provinces, etc., A-Z

268.A-Z Local (Cities, etc.), A-Z

Denmark

Water supply for domestic and industrial purposes

Country and city subdivisions

Europe

Denmark -- Continued

- 269.A1 General works
- 269.A6-Z States, provinces, etc., A-Z
- 270.A-Z Local (Cities, etc.), A-Z

France

- 271.A1 General works
- 271.A6-Z States, provinces, etc., A-Z
- 272.A-Z Local (Cities, etc.), A-Z
- 272.5 Colonies (Collectively)

Germany

- 273 General works
- 273.1 East Germany. Eastern Germany
- 273.2 Baden-Württemberg
- 273.3 Bavaria
- 273.4 Hesse
- 273.5 Prussia
- 273.6 Saxony
- 273.7 North Rhine-Westphalia
- 273.9.A-Z Other states, A-Z
- 274.A-Z Cities or other special, A-Z
- 274.5 Colonies (Collectively)

Greece

- 275.A1 General works
- 275.A6-Z States, provinces, etc., A-Z
- 276.A-Z Local (Cities, etc.), A-Z

Netherlands

- 277.A1 General works
- 277.A6-Z States, provinces, etc., A-Z
- 278.A-Z Local (Cities, etc.), A-Z

Italy

- 279.A1 General works
- 279.A6-Z States, provinces, etc., A-Z
- 280.A-Z Local (Cities, etc.), A-Z
- 280.5

Malta

Norway

- 281.A1 General works
- 281.A6-Z States, provinces, etc., A-Z
- 282.A-Z Local (Cities, etc.), A-Z

Portugal, Azores, etc.

- 283.A1 General works
- 283.A6-Z States, provinces, etc., A-Z
- 284.A-Z Local (Cities, etc.), A-Z
- 284.5 Colonies (Collectively)

Russia in Europe

- 285.A1 General works
- 285.A6-Z States, provinces, etc., A-Z
- 286.A-Z Local (Cities, etc.), A-Z

Spain

- 287.A1 General works
- 287.A6-Z States, provinces, etc., A-Z
- 288.A-Z Local (Cities, etc.), A-Z

288.5

Scandinavia

Sweden

Water supply for domestic and industrial purposes

Country and city subdivisions

Europe

Sweden -- Continued

- 289.A1 General works
- 289.A6-Z States, provinces, etc., A-Z
- 290.A-Z Local (Cities, etc.), A-Z

Switzerland

- 291.A1 General works
- 291.A6-Z States, provinces, etc., A-Z
- 292.A-Z Local (Cities, etc.), A-Z

Other regions and countries, A-Z

- 295.A2 Balkan Peninsula
- 295.A38 Albania
- 295.A44 Alps
- 295.A48 Andorra
- 295.B3 Baltic Sea
- 295.B43 Belarus
- 295.B45 Benelux countries
- 295.B9 Bulgaria
- 295.C37 Carpathian Mountains
- 295.D35 Danube River
- 295.F5 Finland
- 295.I43 Iceland
- 295.L285 Lapland
- 295.L37 Latvia
- 295.L78 Lithuania
- 295.L9 Luxemburg
- 295.M4 Mediterranean Region
- 295.M629 Moldova
- 295.M68 Montenegro
- 295.N67 North Sea
- 295.P7 Poland
- 295.P75 Pomerania (Poland and Germany)
- 295.R48 Rhine River
- 295.R6 Romania
- 295.S55 Slovenia
- 295.T48 Thrace
- 295.U95 Ukraine
- 295.Y8 Yugoslavia

Asia

- 299 General works
- China
 - For Hong Kong see TD313.H85
- 301.A1 General works
- 301.A6-Z States, provinces, etc., A-Z
- 302.A-Z Local (Cities, etc.), A-Z
- Taiwan
 - 302.5.A1 General works
 - 302.5.A6-Z States, provinces, etc., A-Z
 - 302.6.A-Z Local (Cities, etc.), A-Z
- South Asia
 - 302.9 General works
 - India
 - 303.A1 General works
 - 303.A6-Z States, provinces, etc., A-Z

Water supply for domestic and industrial purposes

Country and city subdivisions

Asia

South Asia

India -- Continued

304.A-Z Local (Cities, etc.), A-Z

Pakistan

304.5.A1 General works

304.5.A6-Z States, provinces, etc., A-Z

304.6.A-Z Local (Cities, etc.), A-Z

Bangladesh

304.65.A1 General works

304.65.A6-Z States, provinces, etc., A-Z

304.66.A-Z Local (Cities, etc.), A-Z

Sri Lanka. Ceylon

304.7.A1 General works

304.7.A6-Z States, provinces, etc., A-Z

304.8.A-Z Local (Cities, etc.), A-Z

Japan

305.A1 General works

305.A6-Z States, provinces, etc., A-Z

306.A-Z Local (Cities, etc.), A-Z

Korea

Including South Korea

306.5.A1 General works

306.5.A6-Z States, provinces, etc., A-Z

306.6.A-Z Local (Cities, etc.), A-Z

North Korea

306.7.A1 General works

306.7.A6-Z States, provinces, etc., A-Z

306.8.A-Z Local (Cities, etc.), A-Z

Iran. Persia

307.A1 General works

307.A6-Z States, provinces, etc., A-Z

308.A-Z Local (Cities, etc.), A-Z

Russia in Asia. Siberia

309.A1 General works

309.A6-Z States, provinces, etc., A-Z

310.A-Z Local (Cities, etc.), A-Z

Turkey. Asia Minor

311.A1 General works

311.A6-Z States, provinces, etc., A-Z

312.A-Z Local (Cities, etc.), A-Z

313.A-Z Other divisions of Asia, A-Z

313.A3 Afghanistan

313.A98 Azerbaijan

313.B47 Bhutan

313.B54 Borneo

313.B7 Brunei

313.B8 Burma. Myanmar

313.C16 Cambodia

313.C9 Cyprus

313.G39 Gaza Strip

313.H85 Hong Kong

313.I55 Indonesia

313.I7 Iraq

Water supply for domestic and industrial purposes

Country and city subdivisions

Asia

Other divisions of Asia, A-Z -- Continued

313.I75 Israel
 313.J6 Jordan
 313.K85 Kuwait
 313.L28 Laos
 313.L4 Lebanon
 313.M2 Macau
 313.M318 Malaya
 313.M32 Malaysia
 313.M45 Mekong River Valley
 313.M65 Mongolia
 Myanmar see TD313.B8
 313.N4 Nepal
 313.P6 Philippines
 313.Q36 Qatar
 313.S33 Saudi Arabia
 313.S53 Singapore
 313.S6 Southeast Asia
 313.S94 Syria
 313.T48 Thailand
 313.U54 United Arab Emirates
 313.V5 Vietnam
 313.W48 West Bank
 313.Y45 Yemen (People's Democratic Republic)

313.5 Middle East

314 Arab countries

314.5 Islamic countries

Africa

315 General works

Egypt

317.A1 General works
 317.A6-Z States, provinces, etc., A-Z

318.A-Z Local (Cities, etc.), A-Z

319.A-Z Other divisions of Africa, A-Z

319.A4 Algeria

319.A5 Angola

319.B57 Botswana

319.B85 Burundi

319.C15 Cabo Verde

319.C17 Cameroon

319.C42 Central Africa

319.C43 Central Africa Republic

319.C75 Congo (Brazzaville)

Congo (Democratic Republic) see TD319.Z3

Côte d'Ivoire see TD319.I9

319.D3 Dahomey

319.D55 Djibouti

319.E18 East Africa

319.E19 Eastern Africa

319.E8 Ethiopia

319.F82 French-speaking Equatorial Africa

319.F83 French-speaking West Africa

319.G23 Gabon

Water supply for domestic and industrial purposes

Country and city subdivisions

Africa

Other divisions of Africa, A-Z -- Continued

| | |
|-----------|------------------------------------|
| 319.G45 | Ghana |
| 319.G92 | Guinea |
| 319.G94 | Guinea-Bissau |
| 319.I9 | Ivory Coast. Côte d'Ivoire |
| 319.K4 | Kenya |
| 319.L45 | Lesotho |
| 319.L49 | Liberia |
| 319.L74 | Libya |
| 319.M28 | Madagascar |
| 319.M3 | Malawi |
| 319.M34 | Mali |
| 319.M39 | Mauritania |
| 319.M6 | Morocco |
| 319.M85 | Mozambique |
| | Namibia see TD319.S68 |
| 319.N53 | Niger |
| 319.N54 | Nigeria |
| 319.N6 | Nile River Valley |
| 319.R45 | Rhodesia, Southern. Zimbabwe |
| 319.R9 | Rwanda |
| 319.S18 | Sahel |
| 319.S4 | Senegal |
| 319.S5 | Sierra Leone |
| 319.S59 | Somalia |
| 319.S6 | South Africa |
| 319.S64 | Southern Africa |
| 319.S68 | Southwest Africa. Namibia |
| 319.S73 | Sub-Saharan Africa |
| 319.S74 | Sudan |
| 319.S87 | Swaziland |
| 319.T35 | Tanzania |
| 319.T64 | Togo |
| 319.T8 | Tunisia |
| 319.U4 | Uganda |
| 319.U66 | Upper Volta |
| 319.W48 | West Africa |
| 319.Z3 | Zaire. Congo (Democratic Republic) |
| 319.Z34 | Zambia |
| | Zimbabwe see TD319.R45 |
| | Indian Ocean islands |
| 320 | General works |
| 320.5.A-Z | Special islands, A-Z |
| 320.5.M38 | Mauritius |
| 320.5.R48 | Réunion |
| | Australasia |
| 320.7 | General works |
| | Australia |
| 321.A1 | General works |
| 321.A6-Z | States, provinces, etc., A-Z |
| 322.A-Z | Local (Cities, etc.), A-Z |
| | New Zealand |
| 322.5.A1 | General works |

- Water supply for domestic and industrial purposes
 - Country and city subdivisions
 - Australasia
 - New Zealand -- Continued
 - 322.5.A6-Z States, provinces, etc., A-Z
 - 322.6.A-Z Local (Cities, etc.), A-Z
 - 322.7 Papua New Guinea
 - Pacific islands
 - 323 General works
 - 324.A-Z By island, A-Z
 - Arctic regions
 - 325 General works
 - 325.5 Greenland
 - 326 Antarctica
 - 326.5 Tropics
 - 327 Developing countries
 - General works
 - 344 Early to 1800
 - 345 1800-
 - 346 Elementary textbooks
 - 348 Popular works. Juvenile works
 - 351 Pocketbooks, tables, etc.
 - 353 General special
 - 355 Addresses, essays, lectures
 - 357 Study and teaching
 - 358 Safety measures
 - Including safety measures for utilities and waterworks
 - 360 Water rates
 - For local see TD221+
 - Cf. TD499+ Meters
 - Water quality management
 - For local see TD221+
 - 365 General works
 - 365.5 Biomanipulation
 - Water quality monitoring
 - For local see TD221+
 - 367 General works
 - 368 Particle counting
 - Qualities of water. Water quality
 - For local see TD221+
 - 370 General works
 - 372 Softness
 - 374 Hardness and its correction
 - Chemical purification see TD451+
 - 375 Sensory qualities
 - Examination and analysis of water
 - Including results
 - For specific pollutants of water see TD427.A+
 - Cf. GB855+ Natural water chemistry
 - 380 General works
 - Chemical see QD142
 - 384 Microscopical. Bacteriological
 - 387.A-Z Special bodies of water, A-Z
 - For water supplies of a special region or city see TD221+

Water supply for domestic and industrial purposes -- Continued

Water conservation

For special methods of conservation, see the method, e.g. SB439.8, Drought-tolerant plants;
 SB475.83, Landscape architecture; TD397, Evaporation control in reservoirs; TC401-TC558,
 Water resources development; TD495-TD497, Location of leaks in mains

For local see TD221+

388.A1
 388.A5-Z
 388.5

Periodicals, societies, congresses, etc.

General works

General special

Sources of water supply

Cf. GB651+ Hydrology

390
 392

General works

Rivers, lakes, ponds, etc.

Reservoirs

For dams and their construction see TC540+

For special reservoirs see TD221+

Cf. QH96.8.R35 Reservoir drawdown (Freshwater biology)

Cf. QH541.5.R4 Ecology

Cf. TD195.R47 Environmental effects

395
 396
 397
 398

General works

Sedimentation

Evaporation control

Aqueducts, conduits, etc.

Groundwater

For local see TD221+

Cf. GB1001+ Hydrology

Cf. TD426+ Pollution of groundwater

403
 404

General works

Artificial recharge

Cf. TD765 Disposal of sewage effluent

404.5
 404.7

Aquifer storage recovery

Qanats

Wells

For local see TD221+

Cf. TD426.8 Water pollution

405
 407

General works

General special

Including standards

410
 412
 414

Artesian wells

Well digging and boring

Boring machinery

Including catalogs

Pumps see TJ899+

415

Dew and fog

For dew ponds see TD395

418

Rainwater (Collection and use)

Water pollution

Cf. GC1080+ Marine pollution

Cf. QH545.W3 Effect on plants and animals

Cf. RA591+ Public health

419
 419.5
 420
 422
 423

Periodicals. Societies. Serials

Congresses

General works

Juvenile works

General special

Study and teaching

Water supply for domestic and industrial purposes

Water pollution

Study and teaching -- Continued

424

General works

By region or country

United States

424.3

General works

424.35.A-Z

By region or state, A-Z

424.4.A-Z

Other regions or countries, A-Z

424.5

Research

424.8

Nonpoint source pollution

For local see TD221+

425

Pollution of streams

For effect of oil pollution on marine organisms see QH91.8.O4

For pollution of special water supplies and bodies of water see TD221+

For sewage effluent disposal into streams, etc. see TD763+

For sewage sludge disposal into streams, etc. see TD771.5

Pollution of groundwater

426

General works

426.8

Wells

427.A-Z

Specific pollutants and organisms, A-Z

Including presence of naturally occurring substances

427.A27

Acid deposition

427.A28

Acid mine drainage

427.A35

Agricultural chemicals

427.A45

Aluminum

427.A68

Aquatic pests

Cf. SH174.5+ Fish culture

427.A77

Arsenic

427.A84

Atmospheric deposition

427.A86

Atrazine

427.B37

Bacteria

427.B67

Boron

427.B75

Bromate

427.C33

Cadmium

427.C37

Carbon dioxide

427.C48

Cesium

427.C54

Chemical weapons

427.C57

Chromium

427.C66

Copper

427.C78

Cryptosporidium

427.C9

Cyanides

427.C92

Cyanobacteria

427.D34

DDT (Insecticide)

427.D4

Detergents. Surfactants

427.D47

Dibutyltin

427.D52

Dibromochloropropane

427.D547

Dioxane

427.D55

Dioxins

427.D77

Drugs

427.E68

Enterobacteriaceae

427.E82

Estrogen

427.E83

Ethylene dibromide

427.F45

Fertilizers

427.F54

Fluorides

427.F58

Fly ash

Water supply for domestic and industrial purposes

Water pollution

Specific pollutants and organisms, A-Z -- Continued

- 427.F68 Fouling organisms
- 427.F85 Fungi
- 427.G55 Glyphosate
- Halogenated hydrocarbons see TD427.H93
- 427.H3 Hazardous substances
- 427.H4 Heat pollution
- Heavy metals see TD427.M44
- 427.H46 Herbicides
- 427.H49 Hexazinone
- 427.H85 Humus
- 427.H93 Hydrocarbons
 - Including halogenated hydrocarbons and polycyclic aromatic hydrocarbons
- 427.I55 Inorganic compounds
- 427.M35 Marine debris
- 427.M4 Mercury
- 427.M44 Metals
 - Including heavy metals
- 427.M53 Microorganisms
- 427.M93 Mycobacterium avium
- 427.N5 Nitrogen and nitrogen compounds
- 427.N87 Nutrients
- 427.O7 Organic compounds
- 427.P27 Particles
- 427.P33 Perchlorates
- 427.P35 Pesticides
- 427.P4 Petroleum
 - Cf. SH177.O53 Effect on fish culture
- 427.P53 Phenols
- 427.P56 Phosphorus and phosphorus compounds
 - Including phosphates
- 427.P62 Plastic scrap
- 427.P63 Plutonium
- 427.P646 Polybrominated diphenyl ethers
- 427.P65 Polychlorinated biphenyls
- Polycyclic aromatic hydrocarbons see TD427.H93
- 427.P67 Polyelectrolytes
- 427.R3 Radioactive substances
- 427.S24 Salt
- 427.S33 Sediment
- 427.S38 Selenium
- 427.S94 Sulfur and sulfur compounds
 - Including sulfides
 - Cf. TD196.S95 Environmental pollutants
- Surfactants see TD427.D4
- 427.T42 Technetium
- Thermal pollution see TD427.H4
- 427.T7 Trace elements
- 427.T73 Tributyltin
- 427.T75 Trichloroethylene
- 427.T77 Trihalomethanes
- 427.V36 Vanadium
- 427.V55 Viruses
 - Cf. QR388.5 Aquatic virology

Water supply for domestic and industrial purposes

Water pollution

Specific pollutants and organisms, A-Z -- Continued

427.V64

Volcanic ash, tuff, etc.

427.Z43

Zebra mussel

428.A-Z

Sources of pollution, A-Z

Class here works that limit their discussions to wastes from specific industries, facilities, etc., as pollutants of water

For nonpoint source pollution see TD424.8

For waste disposal and control in specific industries see TD899.A+

428.A37

Agriculture

428.A48

Aluminum mines and mining. Bauxite mines and mining

428.A68

Aquaculture

428.A86

Atomic power plants

428.B34

Ballast water. Ballast water treatment facilities

Bauxite mines and mining see TD428.A48

428.B75

Bridge deck runoff

428.C58

Coal-fired power plants

428.C6

Coal mines and mining

428.C64

Construction industry

428.C66

Copper mines and mining

428.D74

Dredging. Dredging spoils

428.D78

Dry cleaning industry

428.F57

Fire extinguishing agents

428.F67

Forestry

428.G64

Gold mines and mining

428.I74

Iron mines and mining

428.L35

Land use

428.M47

Metallurgical plants

428.M49

Methane industry

428.M56

Mineral industries

428.M68

Motorboat racing

Nuclear power plants see TD428.A86

428.O33

Offshore oil industry

428.O35

Oil sands extraction plants

428.P35

Paper industry

428.P47

Petroleum refineries

428.P54

Pharmaceutical industry

428.P67

Power plants

428.R63

Road construction

Runoff, Bridge deck see TD428.B75

428.R84

Runoff from roads

428.S47

Sewerage. Sewage disposal plants

428.S55

Ships

428.S58

Ski resorts

428.S64

Soil management

428.T78

Trucking

428.U73

Uranium mines and mining

428.W65

Woodpulp industry

429

Water reuse

Water purification. Water treatment and conditioning

Cf. RA591+ Public health

Cf. TD485+ Waterworks, etc.

Cf. TD745+ Purification of sewage

429.5

Periodicals, societies, congresses, etc.

430

General works

| | |
|-----------|---|
| | Water supply for domestic and industrial purposes |
| | Water purification. Water treatment and conditioning -- Continued |
| 433 | General special |
| 434 | Water treatment plants |
| | Special methods |
| | Mechanical treatment |
| 437 | General works |
| 439 | Screening. Settling. Sedimentation |
| | Including sedimentation tanks and basins |
| | Cf. TD455 Coagulation |
| | Filtration |
| 441 | General works |
| 442 | Direct filtration |
| 442.5 | Membrane filtration |
| 443 | Natural filtration |
| 444 | Roughing filtration |
| 445 | Sand filtration |
| 446 | Diatomaceous earth filtration |
| 447 | Filter basins and plants |
| 449 | Domestic filters |
| 449.5 | Adsorption |
| | Chemical treatment |
| 451 | General works |
| 455 | Chemical precipitation. Coagulation. Flocculation |
| 457 | Odor control |
| 458 | Aeration |
| | Disinfection |
| 459 | General works |
| 460 | Ultraviolet ray treatment |
| 461 | Ozone treatment |
| | Chlorination |
| 462 | General works |
| 463 | Hypochlorite treatment |
| 464 | Chlorine dioxide |
| 464.5.A-Z | Other, A-Z |
| 465 | Algae control by copper sulfate and other chemicals |
| 466 | Removal of dissolved minerals. Water softening |
| | Cf. TD478+ Saline water conversion |
| 467 | Fluoridation |
| 468 | Other methods |
| | Including color removal, stabilization, nitrification |
| 471 | Electrolytic treatment |
| 473 | Foam fractionation and flotation |
| 475 | Biological treatment |
| 476 | Irradiation |
| 477 | Other methods |
| | Water treatment plant residuals see TD899.W3 |
| | Saline water conversion |
| 478 | Periodicals, societies, congresses, etc. |
| | Special countries |
| | United States |
| 478.3 | General works |
| 478.5.A-W | By state, A-W |
| 478.6.A-Z | Other countries, A-Z |
| 479 | General works |
| 479.15 | Juvenile works |

- Water supply for domestic and industrial purposes
 - Saline water conversion -- Continued
 - 479.2 General special
 - 479.25 Pocketbooks, tables, etc.
 - 479.3 Estimates and costs
 - Desalination plants
 - For plants in specific locations see TD478.3+
 - For special conversion methods see TD480+
 - 479.4 General works
 - 479.5 Combined purpose plants
 - 479.6 Nuclear powered plants
 - 479.7 Solar powered plants
 - 479.8 Pretreatment of saline waters. Scale
 - Special conversion methods
 - 480 Distillation methods
 - 480.2 Freezing methods
 - 480.3 Hydrate process
 - Membrane methods. Reverse osmosis process
 - 480.4 General works
 - 480.5 Electrodialysis
 - 480.7 Ion exchange desalting
 - Water distribution systems
 - For local see TD221+
 - Aqueducts see TD398
 - Reservoirs see TD395+
 - 481 General works
 - 482 General special
 - Including smaller plants, fountains, pumps, etc.
 - 484 Smart water grids
 - Waterworks, pumping stations, etc.
 - 485 General works
 - 487 General special
 - Pumping machinery see TJ899+
 - 487.5 Security measures
 - 489 Water towers, standpipes, etc.
 - Cf. TH9332+ Fire extinction
 - 491 Mains, pipes, valves, etc.
 - Flow of water see TC171+
 - 493 Water withdrawals
 - For local see TD221+
 - Water waste and its prevention
 - Including location of breaks or leakage in mains
 - 495 General works
 - 497 General special
 - Including unauthorized users of water
 - Water meters and metering
 - Cf. TC177 Hydraulics (Current meters)
 - 499 General works
 - 500 Special makes of meters
 - Water supply for farms, country houses, etc. see TD927
- Sewage collection and disposal systems. Sewerage
 - For industrial wastes see TD896+
 - Cf. HD4475+ Economic aspects of sewage disposal
 - Cf. RA567+ Public hygiene
 - 511 Periodicals, societies, congresses, etc.
 - History

Sewage collection and disposal systems. Sewerage

History -- Continued

515 General works

516 Ancient

517 Medieval

518 Modern

519 19th century

520 20th century

Country subdivisions

Including all local departmental reports

America

521 General works

North America

522 General works

United States

523 General works

523.1 Eastern states. Atlantic coast

523.15 New England

523.2 Appalachian region

523.3 Great Lakes region

523.4 Midwest. Mississippi Valley

523.5 South. Gulf states

523.6 West

523.7 Northwest

523.8 Pacific coast

523.9 Southwest

524.A-.W States, A-W

e.g.

524.A4 Alaska

524.H3 Hawaii

525.A-Z Cities or other special, A-Z

Canada

526.A1 General works

526.A6-Z Provinces, A-Z

527.A-Z Local (Cities, etc.), A-Z

527.5 Latin America

Mexico

528.A1 General works

528.A6-Z States, provinces, etc., A-Z

529.A-Z Local (Cities, etc.), A-Z

Central America

530 General works

531.A-Z Special countries, A-Z

West Indies

532 General works

533.A-Z Special islands, A-Z

South America

534 General works

Argentina

536.A1 General works

536.A6-Z States, provinces, etc., A-Z

537.A-Z Local (Cities, etc.), A-Z

Bolivia

538.A1 General works

538.A6-Z States, provinces, etc., A-Z

539.A-Z Local (Cities, etc.), A-Z

Sewage collection and disposal systems. Sewerage

Country and city subdivisions

America

South America -- Continued

Brazil

- 541.A1 General works
- 541.A6-Z States, provinces, etc., A-Z
- 542.A-Z Local (Cities, etc.), A-Z

Chile

- 543.A1 General works
- 543.A6-Z States, provinces, etc., A-Z
- 544.A-Z Local (Cities, etc.), A-Z

Colombia

- 545.A1 General works
- 545.A6-Z States, provinces, etc., A-Z
- 546.A-Z Local (Cities, etc.), A-Z

547 Ecuador

548 Guyana

549 Suriname

550 French Guiana

551 Paraguay

552 Peru

553 Uruguay

554 Venezuela

Europe

555 General works

Great Britain. England

557 General works

558.A-Z English counties or regions, A-Z

Ireland

559 General works

559.2 Irish Free State. Ireland (Eire)

559.3 Northern Ireland

560.A-Z Special counties, A-Z

Scotland

561 General works

562.A-Z Special counties, A-Z

563 Wales

564.A-Z Cities or other special, A-Z

Austria

565.A1 General works

565.A6-Z States, provinces, etc., A-Z

565.2.A-Z Local (Cities, etc.), A-Z

Czechoslovakia

565.3.A1 General works

565.3.A6-Z States, provinces, etc., A-Z

565.4.A-Z Local (Cities, etc.), A-Z

Hungary

565.5 General works

565.9.A-Z Special counties, A-Z

566.A-Z Cities or other special, A-Z

Belgium

567.A1 General works

567.A6-Z States, provinces, etc., A-Z

568.A-Z Local (Cities, etc.), A-Z

Denmark

Sewage collection and disposal systems. Sewerage

Country and city subdivisions

Europe

Denmark -- Continued

569.A1 General works
 569.A6-Z States, provinces, etc., A-Z
 570.A-Z Local (Cities, etc.), A-Z

France

571.A1 General works
 571.A6-Z States, provinces, etc., A-Z
 572.A-Z Local (Cities, etc.), A-Z
 572.5 Colonies (Collectively)

Germany

573 General works
 573.1 East Germany. Eastern Germany
 573.2 Baden-Württemberg
 573.3 Bavaria
 573.4 Hesse
 573.5 Prussia
 573.6 Saxony
 573.7 North Rhine-Westphalia
 573.9.A-Z Other states, A-Z
 574.A-Z Cities or other special, A-Z
 574.5 Colonies (Collectively)

Greece

575.A1 General works
 575.A6-Z States, provinces, etc., A-Z
 576.A-Z Local (Cities, etc.), A-Z

Netherlands

577.A1 General works
 577.A6-Z States, provinces, etc., A-Z
 578.A-Z Local (Cities, etc.), A-Z

Italy

579.A1 General works
 579.A6-Z States, provinces, etc., A-Z
 580.A-Z Local (Cities, etc.), A-Z

580.5

Malta

Norway

581.A1 General works
 581.A6-Z States, provinces, etc., A-Z
 582.A-Z Local (Cities, etc.), A-Z

Portugal, Azores, etc.

583.A1 General works
 583.A6-Z States, provinces, etc., A-Z
 584.A-Z Local (Cities, etc.), A-Z
 584.5 Colonies (Collectively)

Russia in Europe

585.A1 General works
 585.A6-Z States, provinces, etc., A-Z
 586.A-Z Local (Cities, etc.), A-Z

Spain

587.A1 General works
 587.A6-Z States, provinces, etc., A-Z
 588.A-Z Local (Cities, etc.), A-Z

588.5

Scandinavia

Sweden

Sewage collection and disposal systems. Sewerage

Country and city subdivisions

Europe

Sweden -- Continued

589.A1 General works
 589.A6-Z States, provinces, etc., A-Z
 590.A-Z Local (Cities, etc.), A-Z

Switzerland

591.A1 General works
 591.A6-Z States, provinces, etc., A-Z
 592.A-Z Local (Cities, etc.), A-Z
 595.A-Z Other regions and countries, A-Z

595.A2 Balkan Peninsula
 595.A38 Albania
 595.A44 Alps
 595.A48 Andorra
 595.B3 Baltic Sea
 595.B43 Belarus
 595.B45 Benelux countries
 595.B9 Bulgaria
 595.C37 Carpathian Mountains
 595.D35 Danube River
 595.F5 Finland
 595.I43 Iceland
 595.L285 Lapland
 595.L37 Latvia
 595.L78 Lithuania
 595.L9 Luxemburg
 595.M4 Mediterranean Region
 595.N67 North Sea
 595.P7 Poland
 595.P75 Pomerania (Poland and Germany)
 595.R48 Rhine River
 595.R6 Romania
 595.S4 Serbia
 595.S55 Slovenia
 595.T48 Thrace
 595.U95 Ukraine
 595.Y8 Yugoslavia

Asia

599 General works
 China
 For Hong Kong see TD613.H85
 601.A1 General works
 601.A6-Z States, provinces, etc., A-Z
 602.A-Z Local (Cities, etc.), A-Z
 Taiwan
 602.5.A1 General works
 602.5.A6-Z States, provinces, etc., A-Z
 602.6.A-Z Local (Cities, etc.), A-Z
 South Asia
 602.9 General works
 India
 603.A1 General works
 603.A6-Z States, provinces, etc., A-Z
 604.A-Z Local (Cities, etc.), A-Z

Sewage collection and disposal systems. Sewerage

Country and city subdivisions

Asia

South Asia -- Continued

Pakistan

604.5.A1 General works
 604.5.A6-Z States, provinces, etc., A-Z
 604.6.A-Z Local (Cities, etc.), A-Z

Bangladesh

604.65.A1 General works
 604.65.A6-Z States, provinces, etc., A-Z
 604.66.A-Z Local (Cities, etc.), A-Z

Sri Lanka. Ceylon

604.7.A1 General works
 604.7.A6-Z States, provinces, etc., A-Z
 604.8.A-Z Local (Cities, etc.), A-Z

Japan

605.A1 General works
 605.A6-Z States, provinces, etc., A-Z
 606.A-Z Local (Cities, etc.), A-Z

Korea

Including South Korea

606.5.A1 General works
 606.5.A6-Z States, provinces, etc., A-Z
 606.6.A-Z Local (Cities, etc.), A-Z

North Korea

606.7.A1 General works
 606.7.A6-Z States, provinces, etc., A-Z
 606.8.A-Z Local (Cities, etc.), A-Z

Iran. Persia

607.A1 General works
 607.A6-Z States, provinces, etc., A-Z
 608.A-Z Local (Cities, etc.), A-Z

Russia in Asia. Siberia

609.A1 General works
 609.A6-Z States, provinces, etc., A-Z
 610.A-Z Local (Cities, etc.), A-Z

Turkey. Asia Minor

611.A1 General works
 611.A6-Z States, provinces, etc., A-Z
 612.A-Z Local (Cities, etc.), A-Z

Other divisions of Asia, A-Z

613.A3 Afghanistan
 613.B54 Borneo
 613.B7 Brunei
 613.B8 Burma. Myanmar
 613.C16 Cambodia
 613.C9 Cyprus
 613.G39 Gaza Strip
 613.H85 Hong Kong
 613.I55 Indonesia
 613.I7 Iraq
 613.I75 Israel
 613.J6 Jordan
 613.K85 Kuwait
 613.L28 Laos

Sewage collection and disposal systems. Sewerage

Country and city subdivisions

Asia

Other divisions of Asia, A-Z -- Continued

613.L4 Lebanon
 613.M2 Macau
 613.M318 Malaya
 613.M32 Malaysia
 613.M45 Mekong River Valley
 Myanmar see TD613.B8
 613.N4 Nepal
 613.P6 Philippines
 613.Q36 Qatar
 613.S33 Saudi Arabia
 613.S53 Singapore
 613.S6 Southeast Asia
 613.S94 Syria
 613.T48 Thailand
 613.U54 United Arab Emirates
 613.V5 Vietnam
 613.W48 West Bank
 613.Y45 Yemen (People's Democratic Republic)

Middle East

614 Arab countries
 614.5 Islamic countries

Africa

615 General works
 Egypt
 617.A1 General works
 617.A6-Z States, provinces, etc., A-Z
 618.A-Z Local (Cities, etc.), A-Z
 619.A-Z Other divisions of Africa, A-Z
 619.A4 Algeria
 619.A5 Angola
 619.B57 Botswana
 619.B85 Burundi
 619.C17 Cameroon
 619.C42 Central Africa
 619.C43 Central Africa Republic
 619.C75 Congo (Brazzaville)
 Congo (Democratic Republic) see TD619.Z3
 Côte d'Ivoire see TD619.I9
 619.D3 Dahomey
 619.D55 Djibouti
 619.E18 East Africa
 619.E19 Eastern Africa
 619.E8 Ethiopia
 619.F82 French-speaking Equatorial Africa
 619.F83 French-speaking West Africa
 619.G23 Gabon
 619.G45 Ghana
 619.G92 Guinea
 619.G94 Guinea-Bissau
 619.I9 Ivory Coast. Côte d'Ivoire
 619.K4 Kenya
 619.L45 Lesotho

Sewage collection and disposal systems. Sewerage

Country and city subdivisions

Africa

Other divisions of Africa, A-Z -- Continued

619.L49 Liberia
 619.L74 Libya
 619.M28 Madagascar
 619.M3 Malawi
 619.M34 Mali
 619.M39 Mauritania
 619.M6 Morocco
 619.M85 Mozambique
 Namibia see TD619.S68
 619.N53 Niger
 619.N54 Nigeria
 619.N6 Nile River Valley
 619.R45 Rhodesia, Southern. Zimbabwe
 619.R9 Rwanda
 619.S18 Sahel
 619.S38 Senegal
 619.S5 Sierra Leone
 619.S59 Somalia
 619.S6 South Africa
 619.S64 Southern Africa
 619.S68 Southwest Africa. Namibia
 619.S73 Sub-Saharan Africa
 619.S74 Sudan
 619.S87 Swaziland
 619.T35 Tanzania
 619.T64 Togo
 619.T8 Tunisia
 619.U4 Uganda
 619.U66 Upper Volta
 619.W48 West Africa
 619.Z3 Zaire. Congo (Democratic Republic)
 619.Z34 Zambia
 Zimbabwe see TD619.R45

Indian Ocean islands

620 General works
 620.5.A-Z Special islands, A-Z
 620.5.M38 Mauritius
 620.5.R48 Réunion

Australasia

620.7 General works
 Australia
 621.A1 General works
 621.A6-Z States, provinces, etc., A-Z
 622.A-Z Local (Cities, etc.), A-Z
 New Zealand
 622.5.A1 General works
 622.5.A6-Z States, provinces, etc., A-Z
 622.6.A-Z Local (Cities, etc.), A-Z
 622.7 Papua New Guinea

Pacific islands

623 General works
 624.A-Z By island, A-Z

| | |
|-------|---|
| | Sewage collection and disposal systems. Sewerage |
| | Country and city subdivisions -- Continued |
| | Arctic regions |
| 625 | General works |
| 625.5 | Greenland |
| 626 | Antarctica |
| 626.5 | Tropics |
| 627 | Developing countries |
| | General works |
| 644 | Early to 1800 |
| 645 | 1800- |
| 646 | Elementary works |
| 648 | Popular works |
| 651 | Pocketbooks, tables, etc. |
| 653 | General special |
| | Including costs |
| 655 | Addresses, essays, lectures |
| | Urban runoff |
| | Cf. TD665 Storm sewer system |
| 657 | General works |
| 657.4 | Rain gardens |
| 657.5 | Stormwater infiltration |
| 658 | Sewerage systems design |
| 659 | Layout of the system |
| | Sewerage systems |
| 662 | Combined system |
| 664 | Separate system |
| 665 | Storm sewer system |
| 666 | Liernur system |
| 668 | Shone system |
| 670 | Other systems |
| | Sewers |
| | For testing the strength of cement pipe see TA447 |
| | For testing the strength of metal pipe see TA492.P6 |
| 673 | General works |
| | Shape and size. Theory of flow |
| 675 | General works |
| 676 | Tables, formulas, diagrams |
| | Design and construction |
| 678 | General works |
| 680 | Brick |
| 682 | Cement and clay. Concrete |
| 684 | Clay pipe |
| 686 | Steel and iron pipe |
| 688 | Other material |
| 690 | Sewer gas, explosions, etc. |
| 691 | Sewer corrosion |
| 692 | Ventilation of sewers |
| | Sewer appurtenances |
| 695 | General works |
| 696 | Manholes |
| 698 | Flushing apparatus |
| 701 | Regulators |
| 705 | River crossings, etc. |
| 711 | Intercepting and outfall sewers |
| | Maintenance and repair |

Sewage collection and disposal systems. Sewerage

Sewers

Maintenance and repair -- Continued

- 716 General works
- 719 Inspection and cleaning
- 722 Collecting reservoirs
- 725 Pumping stations

Sewage

- 730 General works
- 733 General special
- 735 Analysis, sampling methods, etc.
- 736 Microbiology
- 737 Biochemical oxygen demand

Sewage disposal systems

For local see TD521+

- 741 General works
- 743 General special
- Treatment, purification, etc.
 - 745 General works
 - 746 Sewage disposal plants
 - 746.5 Oxidation ponds. Stabilization ponds. Sewage lagoons
 - Disinfection. Deodorization
 - 747 General works
 - 747.5 Ultraviolet ray treatment
 - 747.7 Chlorination
 - 747.9 Neutralization
 - 748 Screening. Skimming
 - Sedimentation. Settling tanks
 - Cf. TD778 Septic tanks
 - 749 General works
 - 750 Imhof tanks
 - 751 Sedimentation with coagulation. Chemical precipitation. Flocculation
 - 753 Filtration. Screening
 - 753.5 Adsorption
 - 754 Membrane methods. Reverse osmosis process
 - 754.5 Foam fractionation and flotation
 - Biological purification. Bacterial purification
 - Cf. TD746.5 Oxidation ponds
 - Cf. TD764 Self-purification of streams, etc.
 - 755 General works
 - 756 Activated sludge method
 - 756.45 Anaerobic treatment
 - 756.5 Constructed wetlands
 - 756.65 Microbial granulation technology
 - 757 Electrolytic treatment
 - 757.5 Ion exchange
 - 758 Aeration. Oxidation
 - 758.5.A-Z Removal of specific chemical elements, compounds, etc., A-Z
 - 758.5.C45 Chlorine
 - 758.5.C65 Color removal
 - 758.5.C93 Cyanides
 - 758.5.H39 Hazardous wastes
 - 758.5.H43 Heavy metals
 - 758.5.N58 Nitrogen
 - 758.5.N58 Nutrients
 - 758.5.O37 Oil

Sewage collection and disposal systems. Sewerage

Sewage disposal systems

Treatment, purification, etc.

Removal of specific chemical elements, compounds, etc., A-Z -- Continued

758.5.O75

Organic compounds

758.5.P53

Phenols

758.5.P56

Phosphorus

758.5.P64

Polychlorinated biphenyls

758.5.S44

Silver

Disposal of sewage effluent

759

General works

760

Disposal on land. Irrigation. Sewage farming

761

Subsurface disposal. Deep-well injection

Disposal by dilution. Discharge into streams, lakes, oceans

763

General works

764

Self-purification of streams, etc.

765

Other methods

Including recharge of groundwaters

Cf. TD429 Water reuse

Sewage sludge treatment and disposal

767

General works

Properties of sewage sludge. Tests

767.4

General works

767.7

Activated sludge

Treatment

768

General works

Sludge digestion. Digestion tanks

769

General works

769.4

Sludge gas production and utilization

769.7

Dewatering. Drying

769.8

Irradiation

Special disposal methods

Incineration

770

General works

770.3

Sewage sludge ash

771

Sanitary landfills. Burial

771.5

Discharge into streams, ocean

772

Manufacture into fertilizer, soil builder, etc.

Disposal as fertilizer, soil builder, etc.

Cf. SD408 Forest fertilization

774

General works

775

Cesspools, middens, privies, latrines

Cf. TH4975 Design and construction of privies

776

Earth closets

778

Septic tanks

779

Aerated package treatment systems

780

Pail systems. Can privies

Municipal refuse. Solid wastes

Class here collection and disposal

785

Periodicals, societies, congresses, etc.

785.5

Dictionaries and encyclopedias

786

Directories

Special countries

United States

788

General works

| | |
|------------|--|
| | Municipal refuse. Solid wastes |
| | Special countries |
| | United States -- Continued |
| 788.4.A-Z | By region or state, A-Z |
| | Subarrange each state by Table T4a |
| 789.A-Z | Other regions or countries, A-Z |
| | Subarrange each country by Table T4a |
| 790 | Developing countries |
| 791 | General works |
| 792 | Juvenile works |
| 793 | General special |
| | Study and teaching |
| 793.2 | General works |
| | By region or country |
| | United States |
| 793.25 | General works |
| 793.26.A-Z | By region or state, A-Z |
| 793.27.A-Z | Other regions or countries, A-Z |
| 793.3 | Research |
| 793.7 | Estimates and costs |
| | Waste minimization |
| 793.9 | General works |
| 793.95 | Source reduction |
| | Special industries, plants, processes, etc. see TD899.A+ |
| 794 | Collection and haulage |
| 794.2 | Integrated solid waste management |
| | For local see TD788+ |
| | Recycling |
| | Cf. SB454.3.R43 Gardening |
| | Cf. TS169 Waste control |
| 794.5 | General works |
| 794.8 | Source separation |
| | Special disposal methods |
| | Open dumps |
| 795 | General works |
| 795.4 | Junkyards and automobile graveyards |
| 795.7 | Sanitary landfills |
| | Incineration. Incinerators |
| 796 | General works |
| 796.2 | Waste heat utilization |
| 796.5 | Composting |
| 796.7 | Other methods |
| | Special wastes and their disposal |
| 797 | Ashes |
| | Automobile-related wastes |
| 797.5 | General works |
| 797.7 | Waste tires |
| | Packaging waste |
| 797.9 | General works |
| 797.92 | Cushioning materials |
| 798 | Plastic waste |
| 799 | Glass |
| 799.5 | Metal |
| 799.7 | Household appliances |
| 799.8 | Household batteries |
| 799.85 | Electronic apparatus and appliances |

- Municipal refuse. Solid wastes
- Special wastes and their disposal -- Continued
- 800 Petroleum waste
- 800.5 Waste paint
- Garbage
- 801 General works
- 803 Incinerators
- Organic wastes
- 804 General works
- 805 Paper waste
- 810 Wood waste
- 810.5 Yard waste
- (811) Animal waste
 - see TD930.2
- Hazardous substances see TD1020+
- Radioactive wastes and their disposal
 - Cf. TD897.85+ Industrial wastes
 - Cf. TD1020+ Hazardous wastes and their disposal
- 812 General works
 - By region or country
 - United States
 - 812.2 General works
 - 812.3.A-Z By region or state, A-Z
 - 812.4.A-Z Other regions or countries, A-Z
 - 812.5.A-Z Special chemical elements, compounds, etc., A-Z
 - 812.5.A48 Aluminum
 - 812.5.C66 Copper
 - 812.5.M45 Mercury
 - 812.5.O73 Organohalogen compounds
- Street cleaning. Litter and its removal
 - Cf. TE220.55 Roadside litter control
- 813 General works
- Special countries
- America
- 815 General works
- United States
 - 817 General works
 - 818.A-.W States, A-W
 - 819.A-Z Cities, A-Z
- Canada
 - 820 General works
 - 821.A-.Y Provinces, A-Y
 - 822.A-Z Cities, A-Z
- 823 Latin America
- Mexico
 - 824 General works
 - 825.A-Z Cities, A-Z
- Central America
 - 826 General works
 - 827.A-Z Special countries, A-Z
- West Indies
 - 829 General works
 - 830.A-Z Special islands, A-Z
- South America
 - 832 General works
 - 833.A-Z Special countries, A-Z

- Street cleaning. Litter and its removal
- Special countries -- Continued
 - Europe
 - 835 General works
 - 836.A-Z Special countries, A-Z
 - Asia
 - 838 General works
 - 839.A-Z Special countries, A-Z
 - Africa
 - 841 General works
 - 843.A-Z Special countries, A-Z
 - Australia
 - 845 General works
 - 846.A-Z States, A-Z
 - 847 New Zealand
 - Pacific islands
 - 848 General works
 - 849.A-Z Special islands, A-Z
- 860 Tools and appliances
- Street sprinkling
 - 863 General works
 - 865 Sprinkling carts
- Control of snow and ice on streets
 - Cf. TE220.5 Control of snow and ice on roads and highways
- 868 General works
 - By region or country
 - United States
 - 869 General works
 - 869.2.A-Z By region or state, A-Z
 - 869.4.A-Z Other regions or countries, A-Z
 - 870 Use of chemicals
 - Including salt, etc.
- (877) Street lighting
 - see TK4188 (Electric); TP741 (Nonelectric)
- Special types of environment
 - Soil pollution. Soil remediation
 - Cf. RA571 Environmental health
 - Cf. S622+ Soil conservation
- 878 General works
 - By region or country
 - United States
 - 878.2 General works
 - 878.3.A-Z By region or state, A-Z
 - 878.4.A-Z Other regions or countries, A-Z
 - Special remediation methods
 - 878.47 Electrochemical remediation
 - 878.48 Phytoremediation
 - 878.5 Soil vapor extraction
 - 878.6 Soil bioventing
 - 878.7 Soil vitrification
 - 879.A-Z Particular pollutants, A-Z
 - 879.A35 Agricultural chemicals
 - Class here works on the pollution of soils by agricultural chemicals
 - For general works on agricultural chemicals and their behavior in soils see S592.6.A34
 - 879.B4 Benzopyrene
 - 879.B47 Beryllium

Special types of environment

Soil pollution. Soil remediation

Particular pollutants, A-Z -- Continued

879.C33 Cadmium
 879.C45 Chromium
 879.C63 Cobalt
 879.C93 Cyanides
 879.H38 Hazardous wastes. Hazardous substances
 879.H4 Heavy metals
 879.H47 Herbicides
 879.I55 Inorganic compounds
 879.L43 Lead
 879.M47 Metals
 879.O73 Organic compounds
 879.P37 Pesticides

Cf. S592.6.P43 Behavior and movement in soils

Cf. SB951.145.S65 Soil pesticides

879.P4 Petroleum. Oil pollution
 879.P64 Polychlorinated biphenyls
 879.P66 Polycyclic aromatic hydrocarbons
 879.R34 Radioactive pollution
 879.S85 Sulfates
 880.A-Z Special industries, facilities, activities, etc., A-Z
 880.L35 Land use

Air pollution and its control

Cf. HC79.A4 Economic aspects

Cf. QC882+ Atmospheric pollutants

Cf. QH545.A3 Influence on plants and animals

Cf. QP82.2.A3 Physiological effect

Cf. RA576+ Public health

881 Periodicals, societies, congresses, etc.

881.5 Dictionaries and encyclopedias

882 Directories

883 General works

883.1 General special

883.13 Juvenile works

883.14 Addresses, essays, lectures

Study and teaching

883.143 General works

By region or country

United States

883.144 General works

883.145.A-Z By region or state, A-Z

883.148.A-Z Other regions or countries, A-Z

883.15 Research

883.17 Indoor air pollution

Including indoor air quality

Special regions or countries

United States

883.2 General works

883.5.A-Z By region or state, A-Z

Subarrange each state by Table T4a

883.7.A-Z Other regions or countries, A-Z

Subarrange each country by Table T4a

Particular air pollutants and their control

Special types of environment

Air pollution and its control

Particular air pollutants and their control -- Continued

- 884
 - Smoke
 - Cf. QC882.6 Meteorology
 - Cf. TH1088.5 Smoke control systems
 - Cf. TH2281+ Chimneys
- 884.3 Smog. Fog-pollutant mixtures
- 884.5 Dusts, fumes, and mists; particulate matter
 - Cf. QC882.5 Meteorology
- Gases. Flue gases
- 885 General works
- 885.5.A-Z Individual gases and groups of gases, A-Z
- 885.5.C3 Carbon dioxide
 - Including carbon sequestration technologies
 - Cf. QE516.C37 Carbon sequestration by natural causes
- 885.5.C33 Carbon monoxide
- Carbon sequestration technologies see TD885.5.C3
- 885.5.C47 Chlorine
- 885.5.C5 Chlorofluoromethane
- 885.5.C66 Combustion gases
- 885.5.F57 Fluorine
- 885.5.F67 Formaldehyde
- 885.5.G73 Greenhouse gases
- 885.5.H9 Hydrogen sulfide
- 885.5.L35 Landfill gases
- 885.5.M48 Methane
- 885.5.N38 Natural gas
- 885.5.N5 Nitrogen oxides
- 885.5.O74 Organic compounds
- 885.5.O85 Ozone
- 885.5.R33 Radon
- 885.5.S8 Sulfur dioxide
- 885.5.S85 Sulfur oxides
- 886 Odors
- 886.5 Automobile exhaust
 - Including emissions from motor vehicles in general
 - Cf. TL214.P6 Pollution control devices for motor vehicles
- 886.6.A-Z Special topics, A-Z
- 886.6.C66 Constant volume sampling
- 886.7 Aircraft exhaust emissions
- 886.8 Diesel exhaust
- 887.A-Z Other pollutants, A-Z
- 887.A37 Acrylonitrile
- 887.A66 Ammonia
- 887.A8 Asbestos
- 887.B43 Benzene
- 887.B45 Benzopyrene
- 887.B58 Bituminous materials
- 887.C34 Cadmium
- 887.C37 Carbon disulfide
- 887.C47 Chlorofluorocarbons
- 887.D56 Dioxins
- 887.E64 Epichlorohydrin
- 887.E83 Ethylene dichloride
- 887.F48 Fibers

Special types of environment

Air pollution and its control

Particular air pollutants and their control

Other pollutants, A-Z -- Continued

| | |
|----------|----------------------------------|
| 887.F63 | Fluorides |
| 887.F67 | Fluorocarbons |
| 887.F69 | Fossil fuels |
| 887.H3 | Halocarbons |
| 887.H4 | Heavy metals |
| 887.H46 | Hexane |
| 887.H48 | Hexylene glycol |
| 887.H93 | Hydrocarbons |
| 887.I56 | Inorganic compounds |
| 887.L4 | Lead |
| 887.M34 | Manganese |
| 887.M37 | Mercury |
| 887.M4 | Metals |
| 887.O95 | Ozone-depleting substances |
| 887.P34 | Peat |
| 887.P45 | Pesticides |
| 887.P65 | Pollen |
| 887.P69 | Polybrominated diphenyl ethers |
| 887.P695 | Polycyclic aromatic hydrocarbons |
| 887.R3 | Radioactive metals |
| 887.S78 | Sulfates |
| 887.S82 | Sulfur |
| 887.T75 | Trichloroethylene |
| 887.V55 | Vinyl chloride |
| 887.V65 | Volatile organic compounds |

888.A-Z

Sources of pollution, A-Z

Cf. TD899.A+ Waste control in special industries and plants

| | |
|---------|------------------------------------|
| 888.A53 | Aerospace industries |
| 888.A54 | Agriculture |
| 888.A56 | Aluminum plants |
| 888.A86 | Asphalt plants |
| 888.B74 | Breweries |
| 888.C4 | Cement plants |
| 888.C5 | Chemical plants |
| 888.C58 | Coaling stations |
| 888.C6 | Coffee processing plants |
| 888.C63 | Construction industry |
| 888.C64 | Copper industry and trade |
| 888.C65 | Cotton gins |
| 888.E43 | Electric power-plants |
| 888.F3 | Factories |
| 888.F45 | Fertilizer industry |
| 888.F6 | Foundries |
| 888.G37 | Gas manufacture and works |
| 888.H43 | Heating plants |
| 888.H9 | Hydrochloric acid plants |
| 888.M26 | Machinery industry |
| 888.M4 | Metallurgical plants |
| 888.N8 | Nuclear facilities |
| | Nuclear power plants see TD888.E43 |
| 888.O35 | Oil sands extraction plants |
| 888.P38 | Petroleum chemicals industry |

Special types of environment

Air pollution and its control

Sources of pollution, A-Z -- Continued

- 888.P4 Petroleum refineries
- 888.P67 Power plants
- 888.P73 Printed circuits industry
- 888.P8 Pulp and paper mills
- 888.R4 Reactor fuel reprocessing plants
- 888.R48 Resource recovery facilities
- 888.R62 Road construction, maintenance, and repair
- 888.R66 Roofing industry
- 888.S38 Sewage disposal plants
- 888.S54 Ships
- 888.S6 Solvents industry
- 888.S7 Steam power plants
- 888.S72 Steelworks
- 888.S77 Sugar factories
- 888.S8 Sulfuric acid plants
- 888.W6 Wood industry. Lumber industry
 - Cf. TD888.P8 Pulp and paper mills
- 889 Air pollution control equipment
 - Cf. TH7692+ Dust removal (by pneumatic suction, etc.)
- 890 Measurement. Air sampling and analysis
 - For measurement or analysis of specific pollutants see TD884+
- Noise and its control
 - Periodicals, societies, congresses, etc.
 - Directories
 - General works
 - Juvenile works
 - Special countries
 - United States
 - General works
 - By region or state, A-Z
 - Other regions or countries, A-Z
 - Special industries, facilities, activities, etc., A-Z
 - Airplanes
 - Cf. TL671.65 Aeronautical engineering
 - Blast furnaces
 - Bottling plants
 - Chemical plants
 - Construction industry
 - Crushed stone industry
 - Dwellings
 - Electric lines
 - Flour mills
 - Food industry
 - Forge shops
 - Gasworks
 - Grain elevators
 - Machine shops
 - Materials handling
 - Meat industry
 - Metalwork
 - Mineral industries
 - Offices
 - Paper industry

- Noise and its control
 - Special industries, facilities, activities, etc., A-Z -- Continued
 - 893.6.P47 Petroleum refineries
 - 893.6.P55 Pipe industry
 - 893.6.P68 Power plants
 - 893.6.P74 Precast concrete industry
 - 893.6.P75 Printing plants
 - 893.6.Q35 Quarries and quarrying
 - 893.6.R3 Railroads
 - 893.6.S48 Sewage disposal plants
 - 893.6.T4 Textile industry
 - 893.6.T7 Transportation
 - 893.6.T86 Tunneling
 - 893.6.W37 Water treatment plants
 - 893.6.W65 Woodworking industries
 - 894 Noise measurement
- Industrial and factory sanitation
 - Cf. HD3656+ Factory inspection
 - Cf. HD7260+ Industrial hygiene (Administrative aspects)
 - Cf. T55+ Industrial safety
 - Cf. TS193 Plant housekeeping
- 895 General works
- Industrial and factory wastes
 - Cf. HD30.255 Environmental aspects of industrial management
- 896 Periodicals, societies, congresses, etc.
- 897 General works
- 897.5 General special
- 897.6 Industrial waste treatment facilities
 - Including centralized facilities
- Special regions or countries
 - United States
 - 897.7 General works
 - 897.75.A-Z By region or state, A-Z
 - 897.8.A-Z Other regions or countries, A-Z
- Special topics
 - 897.842 Biodegradation
 - 897.843 Incineration
 - 897.845 Recycling
 - 897.847 Waste minimization
- Special wastes and their disposal
 - Radioactive waste disposal
 - For municipal radioactive waste see TD812+
 - For municipal and industrial hazardous wastes see TD1020+
 - For temporary storage at the facility see TK9152.165
 - Cf. TK9152.17 Transportation of radioactive substances
 - 897.85 Periodicals, societies, congresses, etc.
 - 898 General works
 - By region or country
 - United States
 - 898.118 General works
 - 898.12.A-Z By region or state, A-Z
 - 898.13.A-Z Other regions or countries, A-Z
 - Subarrange each country by Table T4a
 - 898.14.A-Z Special topics, A-Z
 - For local see TD898.118+
 - 898.14.B55 Biodegradation

| | |
|-------------|---|
| | Industrial and factory sanitation |
| | Industrial and factory wastes |
| | Special wastes and their disposal |
| | Radioactive waste disposal |
| | Special topics, A-Z -- Continued |
| 898.14.E36 | Economic aspects |
| 898.14.E58 | Environmental aspects |
| 898.14.E83 | Evaluation |
| 898.14.G46 | Geochemistry |
| 898.14.G47 | Geology |
| | Cf. TD898.2 Disposal in the ground |
| 898.14.G68 | Government policy |
| 898.14.I57 | International cooperation |
| 898.14.M35 | Management |
| 898.14.M36 | Mathematical models |
| 898.14.R57 | Risk assessment |
| 898.14.S34 | Safety measures |
| 898.14.S63 | Social aspects |
| | Radioactive waste sites |
| | For local see TD898.118+ |
| | Cf. TK9152.2 Decontamination. Decommissioning of facilities |
| 898.15 | General works |
| 898.155.A-Z | Special topics, A-Z |
| 898.155.D47 | Design and construction |
| 898.155.E83 | Evaluation |
| 898.16 | Radioactive waste treatment facilities (General) |
| | For local see TD898.118+ |
| | Special disposal methods |
| | For temporary storage at the facility see TK9152.165 |
| 898.17 | General works |
| 898.173 | Bituminization |
| 898.175 | Incineration |
| 898.178 | Transmutation |
| 898.179 | Vitrification |
| 898.18 | Stabilization. Solidification |
| 898.2 | Disposal in the ground |
| | For local see TD898.118+ |
| 898.4 | Disposal in the water |
| | For local see TD898.118+ |
| 898.6 | Disposal under the seabed |
| | For local see TD898.118+ |
| 898.7.A-Z | Special substances, A-Z |
| 898.7.A46 | Alpha-bearing wastes |
| 898.7.P48 | Plutonium |
| 898.8.A-Z | Other wastes, A-Z |
| 898.8.A76 | Arsenic wastes |
| 898.8.C67 | Corrosive wastes |
| 898.8.M47 | Metal wastes |
| 898.8.P45 | Pentachlorophenol |
| 898.8.P64 | Polychlorinated biphenyls |
| 898.8.S65 | Solvent wastes |
| 899.A-Z | Waste control in special industries, plants, processes, etc., A-Z |
| | Cf. TD428.A+ Pollution of water by special industries, etc. |
| | Cf. TD888.A+ Air pollution by special industries, etc. |
| | Agriculture see TD930+ |
| 899.A44 | Aluminum industry |

Industrial and factory sanitation

Industrial and factory wastes

Waste control in special industries, plants, processes, etc., A-Z -- Continued

| | |
|-----------|---|
| 899.A76 | Arsenals |
| 899.A8 | Atomic power plants |
| 899.A96 | Automobile repair shops |
| 899.B48 | Beverage container industry |
| 899.C25 | Cadmium industry |
| 899.C27 | Camp sites, facilities, etc. |
| 899.C3 | Canneries |
| 899.C38 | Cement industries |
| 899.C5 | Chemical industry |
| 899.C55 | Citrus processing plants |
| 899.C57 | Clay industries |
| 899.C58 | Cleaning and dyeing industry |
| 899.C585 | Coal liquefaction |
| 899.C588 | Coal preparation plants |
| 899.C5885 | Construction industry |
| 899.C59 | Copper industry |
| 899.C6 | Cotton industry |
| 899.D3 | Dairy plants. Milk plants |
| 899.D46 | Dental offices. Dental clinics |
| 899.D5 | Distilleries |
| 899.F4 | Feedlots |
| 899.F47 | Fertilizer industry |
| 899.F5 | Fisheries |
| 899.F57 | Fishery processing industries |
| 899.F585 | Food industry |
| 899.F6 | Foundries |
| 899.F7 | Fruit processing plants |
| 899.G3 | Gas industry |
| 899.G47 | Glass fiber industry |
| 899.G63 | Gold industry |
| 899.G85 | Gums and resins industry |
| | Health facilities see RA969.45 |
| 899.H65 | Hotels |
| 899.L32 | Laboratories |
| 899.L37 | Laundries |
| 899.M2 | Machinery industry |
| 899.M29 | Manufactures |
| 899.M4 | Meat industry. Packinghouses. Slaughterhouses |
| 899.M43 | Metallurgical plants |
| 899.M45 | Metalworking and finishing industry |
| | Milk plants see TD899.D3 |
| 899.M47 | Mineral industries |
| 899.M5 | Mines |
| | Nuclear power plants see TD899.A8 |
| 899.O54 | Oil industries |
| | Packinghouses see TD899.M4 |
| 899.P25 | Paint industry and trade |
| 899.P3 | Paper industry |
| 899.P37 | Pesticides industry |
| 899.P4 | Petroleum industry |
| 899.P45 | Phosphate industry |
| 899.P46 | Phosphoric acid industry |
| 899.P48 | Photographic industry |

Industrial and factory sanitation

Industrial and factory wastes

Waste control in special industries, plants, processes, etc., A-Z -- Continued

- 899.P55 Plastics industry
- 899.P6 Potato chip industry
- 899.P65 Poultry industry
- 899.P69 Printed circuits industry
- 899.P7 Printing industry
- 899.R26 Railroads
- 899.R3 Reactor fuel reprocessing plants
- 899.R34 Refractories industry
- 899.R8 Rubber industry
- Seafood processing see TD899.F57
- 899.S46 Service stations
- 899.S55 Shipbuilding industry. Shipyards
- Slaughterhouses see TD899.M4
- 899.S68 Steam power plants
- 899.S7 Steelworks
- 899.S8 Sugar industry
- 899.T3 Tanneries
- 899.T4 Textile industry
- 899.T55 Tile industry
- 899.U73 Uranium industry
- 899.W3 Water treatment plants
- 899.W6 Wood industry
- 899.W65 Woodpulp industry
- 899.W73 Wrecking industry

Sanitary engineering as applied to buildings

see TH6014+

- (905) General works
- (909) General special
- (913) House drainage
 - see TH6571+
- (915) Earth closets
 - see TD776
- (918) Sanitary inspection
 - see RA565+

Rural and farm sanitary engineering

Including all small isolated plants for country and farmhouses, etc.

For local see TD21+

- 920 General works
- 923 General special
- 927 Water supply
 - For local see TD221+
- Sewage and refuse disposal and drainage
 - For local see TD521+
- 929 General works
- Agricultural wastes
 - 930 General works
 - 930.2 Animal waste
 - 930.3 Crop residues
 - 930.4 Dairy waste
 - Pesticide waste see TD1066.P47
- 931 Parks, recreation areas, campgrounds, etc.
 - Cf. GV198.S3 Sanitation of organized camps
 - Cf. RA604 Environmental health

- (935) Sanitary engineering of other isolated plants
 - see TH6057+
- Low temperature sanitary engineering
 - 940 General works
 - 943 General special
 - 947 Water supply
 - 949 Sewage and refuse disposal and drainage
- (1015) Washhouses and public laundries
 - see TH6057.L3
- Hazardous substances and their disposal
 - Including both municipal and industrial hazardous wastes other than radioactive
 - For municipal radioactive wastes see TD812+
 - For industrial radioactive waste see TD897.85+
- 1020 Periodicals, societies, congresses, etc.
- 1024 Directories
- 1030 General works
- 1030.5 Juvenile works
- 1032 Handbooks, manuals, etc.
- By region or country
 - United States
 - 1040 General works
 - 1042.A-Z By region or state, A-Z
 - Subarrange each state by Table T4a
 - 1045.A-Z Other regions or countries, A-Z
 - Subarrange each country by Table T4a
 - 1050.A-Z Special topics, A-Z
 - For local see TD1040+
 - 1050.C57 Citizen participation
 - 1050.C65 Classification
 - 1050.C67 Cost control
 - 1050.E58 Environmental aspects
 - 1050.P64 Political aspects
 - 1050.R57 Risk assessment
 - 1050.S24 Safety measures
 - 1050.T43 Technological innovations
 - 1050.T73 Tracking
 - 1050.W36 Waste minimization
- 1052 Hazardous waste sites (General)
 - For local see TD1040+
- 1054 Hazardous waste treatment facilities (General)
 - Including surface impoundments
 - For local see TD1040+
- Special disposal methods
 - 1060 General works
 - 1061 Biodegradation
 - 1062 Incineration
 - 1063 Stabilization. Solidification
 - 1064 Land disposal
 - Including deep geologic disposal
- 1066.A-Z Special substances, A-Z
 - 1066.D45 Dense nonaqueous phase liquids
 - 1066.G48 Glycols
 - 1066.L57 Lithium
 - 1066.M46 Metals
 - 1066.O55 Oil
 - 1066.O73 Organic compounds

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| | Hazardous substances and their disposal |
| | Special substances, A-Z -- Continued |
| 1066.P47 | Pesticides |
| 1066.P64 | Polychlorinated biphenyls |

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| | Highway engineering. Roads and pavements |
| | Cf. HD9717.5.R6+ Road construction industry |
| | Cf. HE331+ Traffic engineering; economics of roads |
| | Cf. QH545.R62 Environmental effects |
| | Cf. TD888.R62 Air pollution |
| | Periodicals, societies, etc. By language of publication |
| 1.A1 | International or polyglot |
| 1.A3-Z | English |
| 2 | French |
| 3 | German |
| 4 | Other languages (not A-Z) |
| 5 | Congresses |
| | Exhibitions. Museums |
| 6.A1 | General works |
| 6.A2-Z | By region or country, A-Z |
| | Subarrange each country by Table T4b |
| 7 | Collected works (nonserial) |
| 9 | Dictionaries and encyclopedias |
| 12 | Directories |
| | History |
| 15 | General works |
| 16 | Ancient |
| 17 | Medieval |
| 18 | Modern to 1800 |
| 19 | 1800- |
| 21-127 | Country divisions (Table T1a modified) |
| | Add country number in table to TE0 |
| | Class government publications with "General works" |
| | Class special roads with "Local or special, A-Z" (or similar captions) |
| | Class special roads limited to a particular province, city, etc. with the province, city, etc. |
| | America |
| | North America |
| | United States |
| | For works on federal aid to highways see HE355+ |
| 25.5.A-Z | Special roads not limited to one state or region. By name, A-Z |
| | Biography |
| 139 | Collective |
| 140.A-Z | Individual, A-Z |
| | e.g. |
| 140.M3 | MacAdam |
| | General works |
| 144 | Early to 1800 |
| 145 | 1800- |
| 147 | Elementary textbooks |
| 149 | Juvenile works |
| 151 | Pocketbooks, tables, etc. |
| 153 | General special |
| 155 | Addresses, essays, lectures |
| 175 | Road and highway design |
| | Including drawings and designs |
| | Interchanges and intersections |
| 176 | General works |
| 176.3 | Left-turn lanes |
| 176.5 | Traffic circles |
| 176.8 | Motor vehicle scales |
| | Roadside development. Landscaping |

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| | Roadside development. Landscaping -- Continued |
| 177 | General works |
| 178 | Vegetation |
| 178.8 | Rest areas |
| 180 | Specifications |
| 183 | Estimates, quantities, and costs |
| 185 | Records, timekeeping, etc. |
| | For accounts and accounting see HF5686.R6 |
| 191 | Study and teaching |
| 192 | Highway research |
| 195 | Highway engineering management |
| | Materials for roadmaking (stone, etc.) |
| 200 | General works |
| 203 | General special |
| | Including road-marking materials |
| 205 | Testing and inspection. Laboratory manuals |
| | Location engineering |
| 206 | General works |
| | Soil surveys |
| | Including physical tests, analysis of subgrade soils, soil profiles, etc. |
| 208 | General works |
| 208.5 | Trafficability of soils |
| | Road surveys |
| 209 | General works |
| 209.5 | Aerial surveys |
| | Construction details |
| | Foundations |
| 210 | General works |
| | Soil stabilization |
| | Including soil compaction |
| | Cf. S593.23 Agriculture |
| | Cf. TA749 Earthwork |
| 210.4 | General works |
| 210.5.A-Z | Special methods and materials, A-Z |
| 210.5.B5 | Bitumen |
| 210.5.C3 | Calcium chloride |
| 210.5.F55 | Fly ash |
| 210.5.L5 | Lime |
| 210.5.S3 | Salt |
| 210.5.S6 | Soil cement |
| 210.8 | Fills and embankments |
| 211 | Subgrade structure |
| 212 | Base course |
| 212.5 | Shoulders |
| 213 | Culverts and small bridges |
| | Cf. TF282 Railroad engineering |
| 215 | Drainage |
| 216 | Bridge approaches |
| | Maintenance and repair |
| | Cf. TD813+ Street cleaning |
| 220 | General works |
| 220.3 | Overlays |
| 220.5 | Snow and ice control on roads and highways |
| | Cf. TD868+ Control of snow and ice on streets |
| 220.55 | Roadside litter control |
| | Cf. TD813+ Street litter and its removal |

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| | Maintenance and repair -- Continued |
| 220.63 | Dust control |
| 221 | Road binders, dust preventives, etc., for unpaved roads |
| | Including bituminous materials |
| | Machinery, road rollers, etc. |
| 223 | General works |
| 227 | Catalogs |
| 228 | Safety and traffic control devices |
| | Cf. HE370.A+ Traffic regulations |
| | Cf. TE203 Road-marking materials |
| | Communication systems |
| | Including intelligent transportation systems |
| 228.3 | General works |
| 228.37 | Vehicular ad hoc networks |
| 228.5 | Low-volume roads |
| 228.7 | Frontage roads |
| | Country roads |
| | Cf. TE280+ Paths |
| 229 | General works |
| 229.2 | Farm roads |
| 229.5 | Forest roads |
| | Cf. SD389 Forestry |
| 229.8 | Mountain roads |
| 229.9 | Scenic byways |
| | Special kinds of unpaved roads |
| 230 | Dirt roads. Earth and sand roads |
| 233 | Gravel |
| | Broken stone |
| 235 | General works |
| 237 | Stonebreaking for roads |
| 239 | Stonecrushers for road material |
| 241 | Telford roads |
| 243 | Macadam roads |
| 244 | Tarred roads (Construction) |
| 245 | Other varieties |
| | Including plank roads |
| 247 | Ice roads. Ice crossings. Ice bridges |
| | Pavements and paved roads |
| 250 | General works |
| 251 | Design |
| 251.5 | Performance |
| 252 | Specifications |
| 253 | Wood |
| 255 | Brick |
| | Stone |
| 257 | General works |
| 259 | Cobblestone |
| | Stone blocks |
| 261 | General works |
| 263 | Belgian |
| 265 | Oblong |
| | Bituminous pavements |
| | Cf. TE221 Road-binders, dust preventives, etc. |
| | Cf. TE244 Tarred roads (Construction) |
| 266 | Congresses |
| 270 | General works |

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| | Pavements and paved roads |
| | Bituminous pavements -- Continued |
| 273 | Asphalt mixing machinery and plants |
| 275 | Asphalt and asphalt mixtures |
| 276 | Asphalt block |
| | Concrete roads and pavements |
| | Including reinforced concrete |
| 278 | General works |
| 278.2 | Joints |
| 278.6 | Prestressed concrete |
| 278.8 | Precast concrete |
| 279 | Streets |
| 279.3 | Driveways |
| | Pedestrian facilities |
| | Cf. NA9074 Architecture |
| 279.5 | General works |
| | Sidewalks. Footpaths. Flagging |
| | Cf. TH4970 Garden walks |
| 280 | General works |
| 283 | Earth, gravel, cinder |
| 285 | Wood |
| 287 | Brick |
| 289 | Stone |
| 291 | Cement. Concrete |
| 293 | Asphalt |
| 295.A-Z | Other, A-Z |
| 298 | Curbs. Curbstones |
| 301 | Bicycle paths and tracks |
| 303 | Equestrian roads |
| 304 | Trails |
| 305 | Racetracks for automobiles (Construction) |
| (315-427) | Laws and legislation |
| | see class K |
| 450 | Hauling tests. Traction tests |

Railroad engineering and operation

Cf. HE1001+ Economic aspects of railroads

Cf. TD893.6.R3 Noise control

Periodicals and societies. By language of publication

1 English

2 French

3 German

4 Other languages (not A-Z)

5 Congresses

Exhibitions. Museums

6.A1 General works

6.A2-Z By region or country, A-Z

Subarrange each country by Table T4b

7 Collected works (nonserial)

9 Dictionaries and encyclopedias

12 Directories, etc.

For directories of U.S. railroads see HE2721

For directories of other railroads see HE2801+

For directories of supply dealers see TF355

For directories of purchasing agents see TF359

History

15 General works

16 Antiquities

Including early curiosities of railroad development and horse railroads

19 Nineteenth century

20 Twentieth century

21-127 Country divisions (Table T1a)

Add country number in table to TF0

Class here only technical works, including works on the physical plants of individual railroads

Biography

For locomotive engineers see TJ603.5.A+

139 Collective

140.A-Z Individual, A-Z

General works

144 Early to 1850

145 1850-

146 Elementary textbooks

147 Popular works

148 Juvenile works

149 Pictorial works

151 Pocketbooks, tables, etc. (General)

153 General special

155 Addresses, essays, lectures

Study and teaching. Research

America

171 General works

173 United States

176 Canada

179 Latin America

180 Europe

181 Asia

182 Africa

183 Australia

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| 190 | Economics of location |
| | Class here only technical works |
| | Cf. HE1612+ Location, right of way, etc. (Economic aspects) |
| | Cf. TF215+ Railroad surveying (General) |
| 193 | Estimates, costs, etc. |
| 195 | Specifications |
| 197 | Model railways |
| | Safety measures see TF610 |
| | Railway construction |
| 200 | General works |
| | Including reconnaissance, surveying, and location |
| 203 | General special |
| 205 | Railroad engineering (Fieldbooks, tables, etc.) |
| 208 | Preliminary operations |
| | Railroad surveying |
| 210 | General works |
| 212 | Reconnaissance |
| 213 | Preliminary surveying |
| 213.5 | Aerial photography in railroad surveying |
| 214 | Plotting, profiles, etc. |
| | Location |
| 215 | General works |
| 216 | Curves and turnouts |
| 217 | Transition spiral, etc. |
| | Earthwork |
| | Including rock cuttings |
| 220 | General works |
| 222 | Tables, calculations, etc. |
| | Excavating machinery, steam shovels, etc. |
| 225 | General works |
| 226 | Catalogs |
| | Tunnels and tunneling |
| 230 | General works |
| 232 | General special |
| | Including special methods of tunnels, e.g. Pressure tunneling |
| | Maintenance and operating of tunnels |
| 234 | General works |
| 235 | Ventilation |
| 236 | Lighting |
| 238.A-Z | Special tunnels, A-Z |
| | Permanent way. Superstructure. Roadway. Track |
| | Cf. TF530+ Maintenance and repair |
| 240 | General works |
| 241 | General special |
| 243 | Grades |
| 244 | Gauges |
| 245 | Drainage |
| 248 | Tracklaying machinery |
| | Details of the permanent way |
| 250 | Roadbed. Ballast |
| | Ties. Sleepers |
| 252 | General works |
| 254 | Wood |
| 255 | Iron and steel |
| 256.A-Z | Other, A-Z |
| 257 | Tie plates |

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| | Railway construction |
| | Permanent way. Superstructure. Roadway. Track |
| | Details of the permanent way -- Continued |
| | Rails |
| 258 | General works |
| 260 | Section-books, tables, etc. |
| 261 | Rail fastenings (fishplates, bolts, etc.) |
| 262 | Continuous rails |
| 263 | Crossings |
| | Cf. HE1617+ Grade crossings |
| 264 | Turnouts and curves (Construction) |
| | For location of curves and field work see TF216 |
| | Switches, frogs, etc. Points (English) |
| 266 | General works |
| 267 | Frogs |
| 268 | Guardrails |
| | Railway structures and buildings |
| | Cf. NA6310+ Architecture |
| 270 | General works |
| | Accessories to the permanent way |
| 271 | Track tanks |
| 272 | Ashpits, etc. |
| 274 | Y tracks |
| 275 | Turntables |
| 276 | Transfer tables (Chariots transbordeurs) |
| 277 | Fences, cattle guards, snow guards |
| | Viaducts, bridges, etc. see TG445 |
| 282 | Culverts, small bridges, cattle passes, etc. |
| (284) | Trestles |
| | see TG365+ |
| | Buildings, etc., other than structures enumerated above |
| 288 | General works |
| 290 | Water columns, cranes, and pipes |
| 292 | Sand plants and bins |
| 294 | Coalsheds and coaling plants |
| 296 | Engine houses. Roundhouses |
| 298 | Shops |
| | Passenger depots, stations, and terminals |
| 300 | General works |
| 302.A-Z | Special places, A-Z |
| | Freight yards and terminals |
| 305 | General works |
| 308.A-Z | Special places, A-Z |
| 315 | Railway docks |
| 320 | Railway ferries |
| | Railway equipment and supplies |
| | General works |
| 340 | Periodicals, societies, etc. |
| 345 | Treatises |
| 347 | General special |
| | Including standardization |
| 350 | Railway machinery and tools |
| 355 | Directories of dealers and manufacturers |
| 357 | Catalogs of dealers and manufacturers |
| | Including reports, histories, etc. of individual firms |
| | Cf. TJ625.A+ Locomotives |

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| | Railway equipment and supplies |
| | General works -- Continued |
| 359 | Directories of purchasing agents |
| 361 | Inspection. Testing |
| 363 | Specifications |
| 365 | Railway patents |
| 368 | Electrical equipment |
| | Rolling stock and car building |
| | For rolling stock of special places and roads see TF21+ |
| | For car service see TF600+ |
| 371 | Periodicals |
| 373 | Dictionaries and encyclopedias |
| 375 | General works |
| | Including atlases |
| 376 | Railway shops and shop practice. Repair shops |
| | Cf. TJ680+ Locomotive shops |
| 377 | General special |
| | Details of car construction |
| | Car trucks |
| 380 | General works |
| 383 | Wheels |
| 386 | Axles |
| 389 | Bearings and lubrication |
| 391 | Springs |
| 393 | Shock absorbers |
| 400 | Car bodies |
| 410 | Couplers |
| 413 | Draft gear |
| | Brake gear |
| 415 | General works |
| | Airbrakes |
| 420 | General works |
| 425 | Westinghouse |
| 430 | New York |
| 440 | Car furnishings |
| | Car sanitation, heating, lighting, and ventilation |
| 445 | General works |
| | Lighting |
| 447 | General works |
| 449 | Electric lighting |
| 451 | Drinking water |
| 453 | Air conditioning |
| | Varieties of cars |
| | Passenger cars |
| 455 | General works |
| 456 | Dome cars |
| 457 | Parlor cars |
| 459 | Sleeping cars |
| 461 | Dining cars |
| | Cf. TF668.A1+ Service |
| 463 | Baggage cars |
| 467 | Mail cars |
| | Freight cars |
| 470.A1 | Periodicals, societies, congresses, etc. |
| 470.A3-Z | General works |
| 475 | Stock cars |

- Railway equipment and supplies
 - Varieties of cars
 - Freight cars -- Continued
 - 477 Refrigerator cars
 - 479 Coal and ore cars
 - 481 Tank cars
 - 485 Cabooses, tool cars, etc.
 - 490 Derrick cars and wrecking cars
 - Motorcars
 - 494 General works
 - 495 Steam motorcars
 - 497 Gasoline motorcars
 - 498 Diesel motorcars
 - 499 Gas-turbine motorcars
 - Railway operation and management
 - For business administration see HE1621+
 - Periodicals and societies. By language of publication
 - For engineering and construction periodicals see TF1+
 - 501 English
 - 502 French
 - 503 German
 - 504 Other languages (not A-Z)
 - 505 General works
 - 506 Cold weather operation
 - 507 General special
 - Organization, etc., of staff and force
 - 510 General works
 - 512 General special
 - For wage tables, see HD4966.R1-.R45
 - Accounting see HE2241
 - 515 Classification of correspondence, maps, records, etc.
 - 518 Education and training of employees
 - Service rules and regulations
 - For regulations of particular branches of the service see TF530+
 - 520 General works
 - 522 Special roads
 - Maintenance and repair of permanent way
 - 530 General works
 - Roadmasters' and trackmasters' regulations
 - 535 General works
 - 536 Special roads
 - 537 Inspection. Testing
 - 538 Roadmasters' and trackmasters' manuals, etc.
 - 538.5 Track maintenance equipment
 - 539 Damage by natural disasters and its control
 - 541 Protection against sand. Removal of sand
 - 542 Protection against snow. Removal of snow and ice
 - 544 Removal of wrecks
 - 546 Removal of weeds. Weed-burners, etc.
 - 548 Ditches
 - Trains
 - Including the movement of trains and cars
 - 550 General works
 - 552 Train resistance
 - Cf. TF962 Car resistance
 - Train speed

Railway operation and management

Trains

Train speed -- Continued

553 General works

554 Tables

555 Trainload. Ton-miles and coal computations

556 Train running

Trainmen's manuals, etc.

557 General works

(558) Wage tables

see HD4966.R45+

559 Train rules

561 Right-of-way

563 Train dispatching

565 Time schedules, etc., for making timetables

For timetables themselves see HE1805

Special kinds of trains

For named trains and trains of special roads see TF21+

Passenger

570 General works

573 Fast express

Freight

580 General works

582 Piggyback trains

583 Unit trains

Circus trains see GV1822

585 Other special kinds

Terminal and yard management

590 General works

592 Switching of cars. Shunting

593 Making up trains

595 Engine house management. Roundhouse management

Cars (Utilization and care)

Cf. HE1821+ Railway economics

Cf. TF371+ Car building

600 General works

Car interchange systems. Car service associations

605 Periodicals, societies, etc.

606 General works

610 Safety measures, signals, etc.

For airbrakes, etc., see TF420+

Signaling

Including telegraphic equipment

615 General works

617 General special

620 Tests of vision, color blindness, etc.

625 Hand signals, etc.

Telegraph and telephone system. Radio and other electronic systems

Cf. TK5569.T7 Train telegraph

627 General works

628 Special systems

Including Bopp's

630 Block systems

635 Interlocking systems

638 Automatic train control

| | |
|----------|--|
| | Railway operation and management |
| | Signaling -- Continued |
| 639 | Other systems |
| | Including coded centralized traffic control |
| 640 | Catalogs of signaling appliances |
| | Railroad accidents see HE1779+ |
| | Traffic operations |
| 650 | General works |
| 652 | Station management |
| 653 | Passenger traffic |
| | Cf. HE2561+ Economic aspects |
| 654 | Passenger tickets |
| 656 | Baggage |
| 659 | Express |
| | Freight |
| 662 | General works |
| (663) | Classification |
| | see HE2123 HE2311 etc. |
| 664 | Rate tables, etc. |
| 666 | Prorating and adjustment tables, etc. |
| 667 | Refrigerator service |
| | Dining car service |
| 668.A1 | Periodicals, societies, etc. |
| 668.A2-Z | General works |
| | Local and light railways |
| | For special places see TF21+ |
| 670 | General works |
| | General special |
| 673 | General works |
| 675 | Narrow gauge railways |
| | For special places see TF21+ |
| 677 | Industrial railways |
| 678 | Logging railways |
| | For special places see TF21+ |
| | Mountain railways |
| 680 | General works |
| 682 | Cable |
| | Cf. TF835 Street railways |
| 684 | Rack |
| 686 | Gravity |
| 688.A-Z | Special railways. By place, A-Z |
| 692 | Atmospheric railways |
| 693 | Suspended railways |
| | Cf. TJ1385+ Cableways, telpherage |
| 694 | Single-rail railways |
| 695 | Miscellaneous and curious railways |
| | Municipal and street railways. Interurban railways |
| 701 | Periodicals, societies, etc. |
| 703 | Directories |
| | Exhibitions. Museums |
| 704.A1 | General works |
| 704.A2-Z | By region or country, A-Z |
| | Subarrange each country by Table T4b |
| 705 | General works |
| 707 | General special |

- Local and light railways
 - Municipal and street railways. Interurban railways -- Continued
 - Rapid transit question
 - Cf. HE5351+ Interurban electric railways (Economic aspects)
- 710 General works
 - Special places see TF721+
 - Rolling stock, track, and equipment of street car systems see TF863+
- 721-827 Country subdivisions (Table T1a)
 - Add country number in table to TF700
 - For special subways see TF847.A+
 - For special freight subways see TF851.A+
- 830 Horse railways
- 835 Cable railways
 - Cf. TF682 Mountain railways
- 838 Compressed air railways
- Elevated railways
 - General works
- 840 Special places, A-Z
- 841.A-Z Underground railways. Subways
 - General works
 - Special places, A-Z
 - Freight subways
- 845 General works
- 847.A-Z Special places, A-Z
- 850 Freight subways
 - General works
 - Special places, A-Z
- 851.A-Z Electric railways
 - For special places see TF1021+
 - Periodicals and societies see TF701
- 855 General works
- 856 Juvenile works
- 857 General special
- Electrification of steam railroads
 - Periodicals. Societies. Serials
- 858.A1 Congresses
- 858.A2 General works
- 858.A4 Special countries, A-Z
- 858.A5-Z Special cities (Terminals, etc.), A-Z
- 859.A-.Z4 Special railroads, A-Z
- 859.Z5A-.Z5Z Construction
 - Power production and distribution
 - Cf. TK1191+ Electric powerplants
- 865 Roadbed
- Track
 - General works
- 870 Rails
- 872 Rail bonds, etc.
- 873 General special
- 875 Power transmission systems
 - General works
- 880 Trolley (overhead wiring)
- 885 Third-rail
- 890 Underground conduits
- 895 Other systems
- 900 Losses in transmission. Stray currents
- 912 Cars. Street cars. Interurban cars
 - General works
 - Car wiring and equipment
- 920
- 925

| | |
|-----------|--|
| | Electric railways |
| | Construction |
| | Cars. Street cars. Interurban cars -- Continued |
| 930 | Controllers |
| 935 | Railway motors |
| 940 | Car lighting, headlights, etc. |
| 945 | Car heating |
| 947 | Safety devices |
| | Including car fenders |
| 949 | Details of car construction |
| 949.A9 | Axles |
| 949.B7 | Brakes |
| 949.G4 | Gear wheels |
| 949.W5 | Wheels |
| | Supplies |
| 950 | General works |
| 951 | Directories |
| 952 | Catalogs |
| | Operation and management |
| 960 | General works |
| 962 | General special |
| | Including cost of operation, car resistance |
| | Cf. TF552 Train resistance |
| 965 | Motormen's manuals |
| | For airbrake instructions see TF420+ |
| | Service rules and regulations |
| 967 | General works |
| 968 | Special companies |
| 970 | Freight service |
| 975 | Electric locomotives |
| | Cf. TN337 Electric mine locomotives |
| 980 | Electro-diesel locomotives |
| 1021-1127 | Electric railways. Special countries (Table T1a) |
| | Add country number in table to TF1000 |
| | Class here technical descriptions of special systems |
| | High speed ground transportation |
| 1300 | Periodicals, societies, serials, etc. |
| 1305 | Congresses |
| 1315 | History |
| 1321-1427 | Special countries (Table T1a) |
| | Add country number in table to TF1300 |
| | Biography |
| 1439 | Collective |
| 1440.A-Z | Individual, A-Z |
| 1450 | General works |
| 1455 | Juvenile works |
| 1460 | General special |
| | Construction (General) |
| 1470 | General works |
| 1480 | Power supply |
| 1490 | Guideways |
| | Operation and management (General) |
| 1500 | General works |
| 1510 | Signaling |
| 1520 | Communications |
| | Special systems |

| | | |
|------|--------------------------------------|----|
| TF | RAILROAD ENGINEERING AND OPERATION | TF |
| | High speed ground transportation | |
| | Special systems -- Continued | |
| 1540 | Improved passenger train (IPT) | |
| | Tracked levitated vehicle (TLV) | |
| 1560 | General works | |
| 1580 | Tracked air cushion vehicle (TACV) | |
| 1600 | Magnetic levitation vehicle (MAGLVE) | |
| 1620 | Tube vehicle system (TVS) | |

Bridge engineering

Periodicals and societies. By language of publication

1 English

2 French

3 German

4 Other languages (not A-Z)

5 Congresses

Exhibitions. Museums

6.A1 General works

6.A2-Z By region or country, A-Z

Subarrange each country by Table T4b

7 Collections

9 Dictionaries and encyclopedias

12 Directories

History

15 General works

16 Ancient

17 Medieval

18 Modern

19 Nineteenth century

20 Twentieth century

21-127 Country divisions (Table T1a modified)

Add country number in table to TG0

Class here special bridges

America

North America

United States

25.A-Z Special places and special bridges, A-Z

e.g.

25.N5A2 New York. Report of Commissioner of Bridges

25.N53 New York. Brooklyn Bridge (Suspension)

25.N57 Niagara Falls. Suspension Bridge

25.N58 Niagara Falls. Cantilever Bridge

25.O43 Old Saybrook (Connecticut). New Baldwin Bridge

25.S15 St. Louis Bridge (Steel arch)

25.W3 Washington, D. C. Aqueduct Bridge

Canada

27.A-Z Special places and special bridges, A-Z

e.g.

27.M82 Montreal. Victoria Bridge (Tubular)

Europe

Great Britain

64.A-Z Special places and special bridges, A-Z

e.g.

64.B86 Britannia Bridge, Menai Strait (Tubular)

(64.F7) Forth Bridge

see TG64.S68

64.L84 London. Tower Bridge

64.M65 Monmouth (Wales). Monnow Bridge

64.S68 South Queensferry (Scotland). Forth Bridge

France

72.A-Z Special places and special bridges, A-Z

e.g.

72.P23 Paris. Alexander III Bridge

130.A-Z Special companies (History, description, etc.), A-Z

Biography

| | |
|-----------|--|
| | Biography -- Continued |
| 139 | Collective |
| 140.A-Z | Individual, A-Z |
| | General works |
| 144 | Early to 1800 |
| 145 | 1800- |
| 147 | Elementary textbooks |
| 147.5 | Popular works |
| 148 | Juvenile works |
| 149 | Pictorial works |
| 151 | Pocketbooks, tables, etc. |
| 153 | General special |
| 155 | Addresses, essays, lectures |
| 157 | Catalogs of bridge building companies |
| 160 | Atlases, plans, etc. |
| 170 | Study and teaching |
| (215-255) | Bridge legislation and laws |
| | see class K |
| | Structural analysis as applied to bridges |
| | Including loads, stresses, and strains |
| 260 | General works |
| 265 | Structural dynamics. Vibration |
| 267 | Tables, calculations, etc. |
| 270 | Graphic statics in bridge engineering |
| | Bridge design and drafting |
| | Cf. TG160 Plans |
| 300 | General works |
| 301 | Pin proportioning |
| 302 | Earthquake effects |
| 303 | Wind pressure |
| 304 | Snow and ice loads |
| 305 | Bridge testing |
| 307 | Models of bridges |
| 310 | Bridge specifications |
| 313 | Bridge estimates. Quantities and costs |
| 315 | Bridge erection, superintendence, maintenance and repair |
| 320 | Bridge foundations |
| 325 | Abutments and retaining walls for bridges |
| 325.6 | Floors |
| 326 | Bridge details |
| | Including bearings, etc. |
| | Special types of bridges |
| | Arched bridges |
| 327 | General works |
| 330 | Masonry bridges |
| | Concrete bridges |
| 335 | General works |
| 340 | Reinforced concrete bridges |
| | Beam and girder bridges |
| | Including the use of beams and girders in bridges |
| 350 | General works |
| 355 | Continuous girders |
| | Cf. TG413+ Continuous girder bridges |
| 360 | Plate girders |
| 362 | Box girders |
| | Trestles |

| | |
|-----|---|
| | Special types of bridges |
| | Trestles -- Continued |
| 365 | Wood |
| 367 | Concrete and stone |
| 370 | Iron |
| | Truss bridges |
| 375 | Wood |
| 380 | Iron and steel |
| 385 | Cantilever bridges |
| 390 | Tubular bridges |
| 400 | Suspension bridges |
| 405 | Cable-stayed bridges |
| 410 | Metal arches and metal arch bridges |
| | Continuous girder bridges |
| 413 | General works |
| 414 | Reinforced concrete bridges |
| 416 | Metal bridges |
| 418 | Prefabricated bridges |
| | Cf. UG335 Military bridges |
| | Ice crossings, ice bridges, see TE247 |
| | Bridges for special uses |
| 420 | Movable bridges |
| | Including drawbridges and swing bridges |
| 425 | Highway bridges |
| 428 | Footbridges |
| 430 | Park and ornamental bridges |
| 435 | Ferry bridges |
| 445 | Railway bridges |
| | For special places see TG21+ |
| | Cf. TF282 Culverts, etc. |
| 450 | Pontoon bridges |
| | Cf. UG335 Military bridges |
| | Military bridges see UG335 |
| 470 | Bridge accidents |

| TH | BUILDING CONSTRUCTION | TH |
|----------|---|----|
| | Building construction | |
| | Cf. TA630+ Structural engineering | |
| | Periodicals and societies. By language of publication | |
| 1 | English | |
| 2 | French | |
| 3 | German | |
| 4 | Other languages (not A-Z) | |
| 5 | Congresses | |
| | Exhibitions. Museums | |
| 6.A1 | General works | |
| 6.A2-Z | By region or country, A-Z | |
| | Subarrange each country by Table T4b | |
| 7 | Collected works (nonserial) | |
| 9 | Dictionaries and encyclopedias | |
| 11 | Builders' and contractors' bulletins | |
| | Including prices, permits, etc. | |
| | Directories of building supply companies, builders, and contractors | |
| 12 | General works | |
| | United States | |
| 12.5 | General works | |
| 13.A-Z | By region or state, A-Z | |
| 13.2.A-Z | Other regions or countries, A-Z | |
| | History and description | |
| 15 | General works | |
| 16 | Ancient | |
| | Including primitive construction | |
| 17 | Medieval | |
| 18 | Modern to 1800 | |
| 19 | 1801- | |
| 21-127 | Country divisions (Table T1a) | |
| | Add country number in table to TH0 | |
| | Biography | |
| 139 | Collective | |
| 140.A-Z | Individual, A-Z | |
| | General works | |
| 144 | Early to 1850 | |
| 145 | 1850- | |
| 146 | Elementary works | |
| 148 | Popular works | |
| 149 | Juvenile works | |
| 151 | Pocketbooks, tables, etc. | |
| | Cf. TA151 Engineering pocketbooks | |
| | Cf. TA685 Iron and steel construction | |
| | Cf. TH434+ Estimates, quantities and costs | |
| 153 | General special | |
| | Including dangerous structures, safety of exit, moving of structures, cold weather conditions | |
| 154 | Tropical conditions | |
| | Cf. NA2542.T7 Climate and architecture | |
| 155 | Addresses, essays, lectures | |
| 159 | Building as a profession | |
| | Study and teaching | |
| 165 | General works | |
| 166 | Examinations, questions, etc. | |
| | Special schools | |
| | United States | |
| 210 | General works | |

| TH | BUILDING CONSTRUCTION | TH |
|-----------|---|----|
| | Study and teaching | |
| | Special schools | |
| | United States -- Continued | |
| 211 | Correspondence schools | |
| 213.A-Z | Other countries. By country and city, A-Z | |
| | Research | |
| 213.5 | General works | |
| 213.7.A-Z | By region or country, A-Z | |
| | Communication of building information | |
| 215 | General works | |
| 216 | Information services | |
| (219-255) | Building laws, legislation, etc. | |
| | see class K | |
| 257 | Patents | |
| 350 | Engineering of the subdivision | |
| | Cf. TD160+ Planning and laying out of cities | |
| | The building site | |
| | Cf. NA2540.5 Site planning (Architecture) | |
| | Cf. TK4399.B8 Electric lighting | |
| 375 | General works | |
| 380 | Landscape construction by builders | |
| 383 | Prevention of soil erosion | |
| 385 | Building layout | |
| 420 | Building standards | |
| 425 | Specifications (General) | |
| | For specifications for special types of building see TH4311+ | |
| 431 | Drawings | |
| | Including how to read plans | |
| | Cf. T379 Blueprint reading | |
| | Cf. TH2031 General details | |
| (432) | Bookkeeping, etc. for the builder | |
| | see HF5686.B7 | |
| | Estimates. Measurements. Quantities and cost | |
| | General works | |
| 434 | Early to 1890 | |
| 435 | 1890- | |
| 437 | General special | |
| | Including data processing | |
| | Management of the construction site. Superintendence of building construction | |
| 438 | General works | |
| 438.13 | Building information modelling | |
| 438.15 | Cost effectiveness | |
| 438.2 | Quality control | |
| 438.4 | Scheduling | |
| 439 | Building inspection | |
| 441 | Building failures, errors, defects, etc. | |
| | Cf. TH9025+ Protection of buildings | |
| 443 | Building accidents and their prevention | |
| | Maintenance and repair see TH3301+ | |
| 447 | Wrecking | |
| 449 | Salvaging | |
| 451.A-Z | Building companies, A-Z | |
| | Including circulars, prospectuses, etc. | |
| 453 | Building performance | |

| TH | BUILDING CONSTRUCTION | TH |
|--------|--|----|
| 455 | Catalogs of building supplies (General)
Cf. TH1655 Metalwork
Cf. TH2055 Building fittings
Architectural engineering. Structural engineering of buildings
Cf. TH1111 Wooden buildings | |
| 845 | Treatises | |
| 846 | Elementary textbooks | |
| 851 | Pocketbooks, tables, etc. | |
| 860 | Modular coordination
Cf. NA2685+ Drafting
Cf. NA2750+ Design | |
| 880 | Sustainable buildings. Sustainable construction
Including building while following sustainable construction methods
For works on ecological houses see TH4860
Cf. NA2542.36 Architecture | |
| 891 | Wind-pressure | |
| 893 | Rain loads | |
| 895 | Snow loads
Insulation see TH1715+
Architectural acoustics see NA2800
Soundproof construction see TH1725 | |
| | Construction equipment in building
Including machinery used in building construction
Cf. TJ793.2 Internal combustion engines for construction equipment | |
| 900 | General works | |
| 915 | Tools and implements (General)
Cf. TH5618 Carpenters' tools
Cf. TH6299 Plumbers' tools | |
| | Systems of building construction
Cf. TA401+ Building materials | |
| 1000 | Industrialized building
Cf. TH1098 Prefabricated and portable buildings
Fire-resistive or fireproof building construction
Cf. TH9057+ Lightning rods
Cf. TH9111+ Fire prevention
Cf. TP265+ Chemistry of fire and fire prevention | |
| 1061 | Periodicals, societies, etc. | |
| 1065 | General works | |
| 1069 | General details
Including fire doors and shutters, wire glass windows, etc.
For fire escapes see TH2274
Systems of fireproofing and special materials
Including catalogs | |
| 1073 | Wood and other organic material
Including impregnated wood, fire-retardant coatings | |
| 1074 | Fire resistant plastics | |
| 1074.5 | Fire resistant polymers | |
| 1075 | Asbestos
Earthenware, brick, tile, terra-cotta
Including combinations with steel, etc. | |
| 1077 | General and solid forms | |
| 1083 | Hollow earthenware | |
| 1087 | Cement and concrete
Including reinforced concrete
Cf. TH1461+ Concrete building construction | |
| 1088 | Reinforcing materials | |

- Systems of building construction
 - Fire-resistive or fireproof building construction
 - Systems of fireproofing and special materials -- Continued
 - 1088.5 Smoke control systems
 - 1088.56 Steel
 - 1089 Tile-concrete combination systems
 - Tests of fire-resistant construction (General). Fire testing
 - Including artificial tests
 - For tests of special systems see TH1099
 - Cf. TH9446.3+ Fire testing of materials
 - 1091 General works
 - 1092 Tests of building materials
 - 1093 Tests in fires
 - General conflagrations, not artificial tests
 - Earth movements and building. Subsidences, etc.
 - 1094 General works
 - 1095 Earthquakes and building
 - Cf. TA654.6 Earthquake engineering
 - Cf. TA658.44 Earthquake resistant design
 - 1095.5 Construction on contaminated sites
 - 1096 Stormproof construction
 - 1096.5 Vertical evacuation structures
 - 1097 Bombproof construction. Bombproof shelters. Fallout shelters
 - Cf. TH7392.A8 Heating and ventilation of atomic bomb shelters
 - Waterproof construction see TH9031+
 - 1098 Prefabricated and portable buildings
 - Cf. NA8480 Architecture
 - 1099 Air-supported structures
 - 1100 Lightweight construction
 - 1101 Wood building construction
 - For floor framing see TH2311
 - For roof framing see TH2393
 - For scaffolding see TH5281
 - For centering and centers see TH5591
 - For carpentry and joinery see TH5601+
 - Cf. TA666+ Wooden construction (General)
 - 1111 Architectural engineering of wooden buildings
 - Architectural woodwork
 - Cf. TH8581+ Decorative woodwork
 - 1151 General works
 - 1155 Catalogs
 - Masonry building construction
 - Cf. TA670+ Masonry construction (General)
 - Cf. TH5311+ Practical masonry
 - 1199 General works
 - 1201 Stone building construction
 - For stone construction (General) see TA676
 - For artificial stone building construction see TH1451
 - For stonemasonry and stonecutting see TH5401+
 - 1301 Brick building construction
 - For brick construction (General) see TA679
 - For bricklaying see TH5501+
 - (1375) Terra-cotta and hollow tile building construction
 - see TH1077+
 - 1421 Pisé, earth-wall or pressed-earth building construction
 - 1431 Ice and snow building construction

| TH | BUILDING CONSTRUCTION | TH |
|-----------|---|----|
| | Systems of building construction -- Continued | |
| 1451 | Artificial stone building construction | |
| | Concrete building construction. Cement and stucco | |
| | For concrete construction (General) see TA680+ | |
| 1461 | General works | |
| 1465 | Specifications | |
| 1491 | Concrete-block building construction | |
| 1498 | Precast concrete construction | |
| 1501 | Reinforced concrete construction | |
| | For reinforced concrete construction (General) see TA682.92+ | |
| | For reinforced concrete fireproof building construction see TH1087 | |
| 1550 | Staff building construction. Papier mâché, etc. | |
| 1555 | Fiber building boards | |
| | Cf. TH1715+ Insulation | |
| 1560 | Glass construction | |
| | Cf. TA450 Glass (Structural material) | |
| | Cf. TH8251+ Glazing | |
| | Iron and steel building construction | |
| | For iron and steel construction (General) see TA684+ | |
| | Cf. TH4818.S73 Steel house construction | |
| | General works | |
| 1610 | Before 1890 | |
| 1611 | 1890- | |
| 1615 | Juvenile works | |
| 1619 | Estimates | |
| 1621 | Pocketbooks, tables, etc. | |
| 1625 | Catalogs of buildings | |
| | Forms of construction | |
| 1635 | Space frame structures | |
| | Architectural metalwork. Sheet metal, castings, etc. | |
| | For gratings see TH2273 | |
| 1651 | General works | |
| 1655 | Catalogs (General) | |
| | Special materials | |
| 1675 | Metal sheathing. Metal lathing | |
| | Reinforcing materials in fireproof building construction see TH1088 | |
| | Insulation and insulating materials | |
| | Including thermal properties of walls | |
| | Cf. TJ163.26+ Energy conservation | |
| | Cf. TP490+ Refrigeration | |
| 1715.A1 | Periodicals, societies, etc. | |
| 1715.A2-Z | General works | |
| 1718 | Cellulose insulation | |
| 1719 | Sealing. Airtight construction | |
| 1720 | Sheathing papers | |
| 1725 | Soundproof construction. Noise in buildings | |
| | Cf. NA2800 Architectural acoustics | |
| 1727 | Acoustical materials | |
| | Details in building design and construction | |
| 2025 | General works | |
| 2031 | Structural drawings | |
| | Cf. TH431 Drawings (General) | |
| 2055 | Catalogs of building fittings (General) | |
| | Cf. TH1155 Architectural woodwork | |
| | Cf. TH1655 Architectural ironwork | |
| | Cf. TH6010+ Building fittings and their installation | |

Details in building design and construction -- Continued

| | |
|---------|---|
| 2060 | Joints in buildings |
| 2101 | Foundations |
| | Including works from the engineering standpoint |
| | Cf. TH2221 Foundation walls |
| | Cf. TH5201 Practical construction |
| 2140 | Piers |
| | Arches and vaults |
| 2150 | General works |
| 2160 | Vaults |
| | Domes |
| | Cf. TH2416+ Shell roofs |
| 2170 | General works |
| 2170.5 | Concrete domes |
| 2170.52 | Geodesic domes |
| 2170.7 | Masonry domes |
| 2170.85 | Wooden domes |
| 2180 | Towers |
| | Walls |
| | Cf. TH5311+ Masonry |
| 2201 | General works |
| 2221 | Foundation walls |
| | Walls above surface |
| 2231 | General works |
| | Exterior walls |
| 2235 | General works |
| 2238 | Curtain walls. Cladding |
| 2238.5 | Siding |
| 2238.7 | Exterior insulation and finish systems |
| 2239 | Interior walls |
| | Special materials |
| 2243 | Brick walls |
| 2244 | Clapboard walls |
| 2245 | Concrete walls |
| 2247 | Sheet metal walls |
| | Cf. TH1651+ Architectural metalwork |
| 2249 | Stone walls |
| | Wall details |
| 2251 | General works |
| 2251.2 | Balconies |
| 2251.5 | Veneers |
| | Other special accessories |
| | Columns. Capitals |
| 2252 | General works |
| 2253 | Catalogs |
| 2255 | Abutments |
| | Building-integrated photovoltaic systems see TK1087 |
| 2258 | Fixed ladders |
| 2259 | Ramps |
| | Window and door openings and their fittings |
| | Including lintels, plate-bonds, sills, reveals, caps, trimmings |
| 2261 | General works |
| 2264 | Window openings |
| 2265 | Bay and bow windows |

Details in building design and construction

Other special accessories -- Continued

Windows and doors and their fittings

Cf. TH1069 Fire doors and shutters

Cf. TH1155 Woodwork catalogs

Cf. TH8251+ Glazing

Cf. TH9720+ Burglar-proof construction

2270

General works

2271

Catalogs of door and window fittings

2272

Sashes. Frames

2273

Gratings. Window guards

2274

Fire escapes and fittings

2275

Windows

For skylights see TH2486+

2276

Shutters, blinds, screens, and other window fittings

Doors. Sliding and folding doors. Screen doors. Fire doors

2278

General works

2279

Door fittings. Locks, knobs, etc.

Chimneys and flues

Cf. TH4591 Chimneys for powerplants

Cf. TJ330+ Boiler plant engineering

2281

General works

2284

Smoky chimneys and their remedy

Cf. TD884 Smoke prevention

2285

Soot removal

Fireplaces see TH7421+

2288

Mantelpieces

Cf. TH1151+ Architectural woodwork

Framing (House framing, etc.)

Cf. TH1101 Wood building construction

Cf. TH1610+ Iron and steel building construction

2301

General works

2311

Floor framing

Cf. TH2521+ Floors and flooring

Roof framing, roofs and roofing

Cf. TH5619 Steel square and its uses

2391

General works

2392

Roof trusses

2393

Roof framing. Rafters, etc.

2397

Special tools and appliances

Including rafter gages

2398

Rafter tables, etc.

Roofs

2401

General works

2404

Retractable roofs

2405

Mansard roofs

2407

Saddle roofs

2409

Flat roofs

Shell roofs

2416.A1

Periodicals, societies, etc.

2416.A3-Z

General works

2417

Suspension roofs

Roofs for special parts of the building

2421

General works

2423

Bay window roofs

2425

Porch and veranda roofs

Details in building design and construction

Roof framing, roofs and roofing -- Continued

Roofing

- 2430 Periodicals, societies, congresses, etc.
- 2431 General works
- 2433 Catalogs of roofing (General)
- 2435 Thatch roofing
- 2438 Board roofing
- 2441 Shingle roofing
- Stone roofing
- 2444 General works
- 2445 Slate roofing
- 2446 Concrete roofing
- 2447 Plastic roofing
- 2448 Tile roofing
- 2449 Textile roofing
- Composition roofing
- 2450 General works
- 2451 General special
 - Including tar, felt, gravel, slag, etc.
- 2452 Single-ply roofing
- Metal roofing
 - Cf. TH1651+ Architectural woodwork
 - Cf. TS600+ Roofing catalogs
- 2454 General works
- 2455 Tin roofing. Tin shingling
- 2457 Iron and steel roofing
- 2458 Lead and copper roofing
- 2459 Aluminum roofing

Roof details

- Cf. TH1651+ Architectural woodwork
- Cf. TH2433 Roofing catalogs
- 2481 General works
- Cornices and moldings
 - Cf. TH1151+ Architectural woodwork
 - Cf. TH2553 Interior cornices and moldings
- 2482 General works
- 2483 Catalogs
- Skylights and ventilators
- 2486 General works
- 2487 Skylights
- (2489) Ventilators
 - see TH7683.V4
- 2491 Hatchways. Scuttles
- 2493 Gutters, eave troughs, down spouts, and conductors
- 2495 Finials and bannerets. Vanes

Floors and flooring

- For floors and flooring in special types of buildings, see the type of building, e.g. TH4534
- Packaginghouses
- Cf. TH2311 Floor framing
- Cf. TH8541+ Tile
- 2521 General works
- Flooring
 - For carpets, rugs, etc. see TS1772+
- 2525 General works
- 2528 Maintenance and care

Details in building design and construction

Floors and flooring

Flooring -- Continued

- 2529.A-Z Special types. By material, A-Z
- 2529.C6 Concrete (Nonstructural)
- 2529.E27 Earth
- Linoleum see TS1779.L5
- 2529.M4 Metal
- 2529.P5 Plastic
- Including asphalt and vinyl
- 2529.S7 Stone
- Tile (Ceramic) see TH8541+
- 2529.W6 Wood. Parquetry

Ceilings and centerpieces

Cf. NA2950 Architecture

Cf. TH8120+ Plastering

- 2531 General works
- 2533.A-Z Special types, A-Z
- 2533.S88 Suspended
- 2533.W66 Wooden

Partitions

- 2541 General works
- 2544 Shoji screens
- 2547 Wainscots

2553 Moldings and cornices (Interior)

Cf. TH1155 Woodwork catalogs

Cf. TH2482+ Exterior cornices

Cf. TH8581+ Decorative woodwork

2555

Shelving

For mantelpieces see TH2288

3000.A-Z Special rooms, A-Z

- 3000.A74 Areaways
- 3000.A86 Attics
- 3000.B36 Basements
- 3000.B38 Bathrooms
- 3000.C45 Chashitsu
- 3000.C55 Closets
- 3000.C73 Crawl spaces
- 3000.K58 Kitchens
- 3000.L63 Lofts
- 3000.R43 Recreation rooms
- 3000.S85 Sunspaces

Maintenance and repair

Cf. TH4817+ Dwellings

Cf. TH6013 Maintenance of equipment

Cf. TX323 Care of the house (Home economics)

- 3301 General works
- 3311 General special
- Maintenance

- 3351 General works
- 3361 General special

Repair. Rebuilding. Remodeling

- 3401 General works
- 3411 General special

Buildings: Construction with reference to use

Including specifications and construction of individual or named buildings

Buildings: Construction with reference to use -- Continued

Public buildings

Cf. NA4170+ Architecture

4021

General works

(4161)

Monuments, memorial arches

see NA9320+

(4171)

Mausoleums, etc.

see NA6120+

4221

Churches

Cf. NA4790+ Architecture

4224

Pagodas

Other public buildings, see TH4755+

Commercial buildings. Office buildings

Cf. NA6210+ Architecture

4311

General works

4315

Estimates. Measurements. Quantities and costs

(4411)

Transportation buildings

see NA6300+ TA1225

(4421)

Railway stations

see NA6310+

(4431)

Dock buildings

see TC355

(4441)

Ferry houses

see NA6330

Storage buildings

4451

Warehouses

Cf. NA6340+ Architecture

4461

Grain elevators

Cf. NA6350 Architecture

Cf. TH4498 Bins (General)

Cf. TJ1415+ Grain-handling machinery

4471

Coal-handling plants

Cf. TH4498 Bins (General)

Cf. TJ1405 Coal-handling machinery

4481

Icehouses (Commercial)

Cf. NA6360 Architecture

4485

Lumberyards, sheds, etc.

4498

Bins (General)

Cf. TH4461 Grain elevators

Cf. TH4471 Coal-handling plants

4499

Other storage buildings

Cf. NA6290+ Architecture

Factories and mills. Industrial plants

Cf. NA6396+ Architecture

Cf. TN675.5+ Metallurgical plants and furnaces

Cf. TS186 Factory buildings

4511.A1

Periodicals, societies, etc.

4511.A2-Z

General works

4516

General drawings of factory construction

4518

Underground factories

4521

Textile mills

4522

Clothing factories

4524

Chemical plants

4526

Food processing plants

4531

Breweries

4532

Distilleries

Buildings: Construction with reference to use
Factories and mills. Industrial plants -- Continued

- 4533 Electronics plants
- 4534 Packinghouses
- 4536 Paper and pulp mills
- 4536.5 Printing plants
- 4537 Rolling mills
- 4538 Water treatment plants
- 4541 Other special factories and mills
- 4561 Mine buildings and other structures
- 4571 Refineries
- Power plants
- 4581 General works
- 4591 Chimneys. Smokestacks
 - Cf. TD884 Smoke prevention
 - Cf. TH2281+ Chimneys (General)
 - Cf. TJ330+ Boiler plant engineering
- Educational buildings
- (4621) Schools
 - see LB3205+ NA6600+
- (4631) Libraries
 - see Z679
- (4641) Art museums and galleries
 - see N450+
- (4651) Exhibition buildings
 - see NA6750; T391+
- 4652 Research buildings. Laboratories
 - Cf. NA6751 Architecture
- 4655 Radio stations
- 4656 Television stations
- (4661) Hospitals
 - see RA960+
 - For psychiatric hospitals see RC438.92+
- 4711 Recreation buildings. Park buildings
 - Cf. NA6800+ Architecture
- 4714 Stadiums
- Other public buildings
- 4755 Restaurants
 - Cf. NA7855+ Architecture
- 4758 Embassy buildings
- 4761 Baths
 - Cf. NA7010 Architecture
 - Cf. RA605+ Public health
- 4763 Swimming pools
- (4765) Public comfort stations
 - see RA607
- 4800 Clubhouses
 - Cf. NA7910+ Architecture
- Houses. Dwellings
 - Cf. NA7100+ Architecture
 - Cf. TK7881.25 Home automation
- 4805 Periodicals, societies, congresses, etc.
- History and description
- 4808 General works
- 4809.A-Z By region or country, A-Z
- 4811 General works

Buildings: Construction with reference to use

Houses. Dwellings -- Continued

- 4811.5 Juvenile works
- 4812 General special
- 4813 Handbooks, manuals, etc.
- 4814 Research
- 4815 Amateur construction manuals
- 4815.4 House construction contracting
 - Including hiring a contractor
- 4815.5 Standards. Specifications
- 4815.8 Estimates. Measurements. Quantities and costs
- Remodeling
 - 4816 General works
 - 4816.15 Access for people with disabilities. Barrier-free design
 - 4816.2 Additions
 - 4816.3.A-Z Special rooms, A-Z
 - 4816.3.A77 Attics
 - 4816.3.B35 Basements
 - 4816.3.B37 Bathrooms
 - 4816.3.B43 Bedrooms
 - 4816.3.C45 Children's rooms
 - 4816.3.K58 Kitchens
 - 4816.3.L57 Living rooms
 - Office decoration see NK2195.O4
 - 4816.3.O34 Offices
- Maintenance and repair
 - 4817 General works
 - 4817.3 Amateurs' manuals
 - 4817.5 State of repair. House buyers' guides
 - Cf. HD1379 Popular guides in real estate business
- 4818.A-Z Construction in special materials, A-Z
 - 4818.A3 Adobe. Earth
 - 4818.B3 Bamboo
 - 4818.B7 Brick
 - 4818.C6 Concrete blocks
 - Earth see TH4818.A3
 - 4818.M37 Masonry
 - 4818.P3 Paperboard
 - 4818.P53 Plaster
 - 4818.P7 Precast concrete
 - 4818.R4 Reinforced concrete
 - 4818.S55 Sod
 - 4818.S6 Soil cement
 - 4818.S73 Steel
 - 4818.S75 Stone
 - 4818.S77 Straw
 - 4818.T57 Tires
 - 4818.W6 Wood
- 4819.A-Z Special methods of construction, A-Z
 - 4819.E27 Earth sheltered houses
 - 4819.M6 Mobile homes
 - Cf. TL297+ Trailers
 - Cf. TX1100+ Mobile home living
- 4819.P7 Prefabricated
- 4819.S5 Slab-on-ground

Buildings: Construction with reference to use

Houses. Dwellings -- Continued

Special types of houses

Cf. TH4920 Farmhouses

4820 Apartment houses

4822 Blackhouses

4825 Terrace houses

4835 Summer homes

4840 Log cabins

4850 Country homes

4860 Ecological houses

4870 Yurts

4880 Fishing lodges

4885 Tree houses

4890 Other shelters (not A-Z)

Farm buildings

Cf. NA8200+ Architecture

Cf. S770+ Agriculture

4911 General works

4916 Handbooks, tables, etc.

4920 Farmhouses

Cf. NA8208+ Architecture

4930 Barns. Poultry houses

4935 Silos

4940 Machine-tractor stations

Minor buildings. Fences, gates, etc.

4955 General works

4960 Garages. Carports

Cf. NA8348 Architecture

Garden structures

Including building of structural elements for landscape construction

4961 General works

4961.5 Barbecues

4962 Garden toolsheds

4963 Gazebos

4965 Fences, gates, etc.

4967 Playhouses, Children's

Cf. TH4885 Tree houses

4970 Terraces, patios, decks, garden walks, etc.

Cf. NA8375 Architecture

4975 Privies. Outhouses

Cf. TD775 Sewage disposal

4977 Fountains

Cf. NA9400+ Architecture

Construction by phase of the work (Building trades)

For works from the engineering standpoint, see TH1101+

5011 General works

5101 Earthwork and excavation in building

Including operations, tools, etc.

5201 Foundation work in building

Cf. TA775+ Foundations (General engineering)

Temporary structures in building

5280 General works

5281 Scaffolding in building. Shoring. Staging

Cf. TA682.44 Formwork for concrete construction

Cf. TH5591 Centering

Construction by phase of the work (Building trades) -- Continued

Masonry in building

Class here practical methods, operations, tools, etc.

Cf. TA425+ Masonry materials

Cf. TA670+ Masonry construction (General)

Cf. TH1199+ Masonry building construction (Engineering)

5311

Treatises

5313

Elementary manuals

5317

Addresses, essays, lectures

5321

General special

5330

Estimates, quantities and cost measurements, etc.

5371

Pointing and stucco

Stonemasonry and stonecutting

For stone building construction see TH1201

For walls, design, etc. see TH2201+

5401

General works

5411

Elementary manuals

5421

General special

5440

Tools for stonemasons and stonecutters

Bricklaying in building

For brick building construction see TH1301

For walls, design, etc. see TH2201+

5501

General works

5511

Elementary manuals

5520

Cleaning of masonry, stone, brick, etc.

(5551)

Cement and concrete work

see TA680+

5591

Centering of arches

For scaffolding see TH5281

Carpentry and joinery

Cf. TH1101 Wood building construction

Cf. TS840+ Woodworking

5601

Periodicals

General works

5603

Early to 1800

1800-

5604

General works

5605

Graphic treatises

Plates or drawings, with text subordinate

5606

Beginners' manuals. Elements

5607

Popular works. Home carpentry

5608

Pocketbooks and tables. Handbooks and compilations of rules

5608.5

Examinations, questions, etc.

5608.7

General special

5608.8

Vocational guidance

5609

Specifications

5611

Drawing and drawings for carpentry and joiner

Mathematics

5612

General works

5613

Slide-rule calculations in carpentry and joinery

Estimates, quantities and cost, measurements, etc.

5614

Before 1850

5615

1850-

5618

Tools for carpenters and joiners

Including catalogs

5619

The steel square and its uses

- Construction by phase of the work (Building trades)
 - Carpentry and joinery -- Continued
 - Finish carpentry
 - 5640 General works
 - Joinery
 - 5662 General works
 - 5663 Elementary manuals
 - Stairbuilding
 - Including iron, wood, and stone
 - 5667 General works
 - Stair and handrail joinery. Wooden stairbuilding
 - 5670 General works
 - Stair joinery
 - 5671 General works
 - 5673 Tables of treads and risers
 - Handrail joinery. Stair railings
 - 5675 General works
 - 5677 Tools and appliances for handrail joinery
 - 5680 Catalogs
 - 5691 Mitering
 - For exterior moldings see TH2482+
 - For interior moldings see TH2553
 - 5695 Trim carpentry
 - Metalworking
 - Cf. TH1651+ Architectural metalwork
 - 5701 General works
 - Steel-girder riveting, etc. see TA891
 - Building fittings and their installation
 - Including mechanical equipment
 - Cf. TH2055 Catalogs of building fittings
 - Cf. TK4001+ Applications of electric power
 - 6010 General works
 - 6012 Building control systems
 - Cf. TH7466.5 Heating control
 - Cf. TH7687.7 Air conditioning systems and details
 - 6013 Maintenance and repair
 - Environmental engineering of buildings. Sanitary engineering of buildings
 - Class here works on general and household plumbing, heating, lighting, air conditioning, soundproofing, etc., treated collectively
 - Class special aspects with the subject, e. g. TH7201+ Heating; TH1725 Soundproofing
 - 6014 Periodicals, societies, congresses, etc.
 - 6014.5 Dictionaries and encyclopedias
 - 6015 Directories
 - 6021 General works
 - 6024 Handbooks, manuals, etc.
 - 6025 General special
 - 6028 Addresses, essays, lectures
 - 6031 Design of systems
 - 6051 Specifications
 - 6053 Building orientation
 - 6057.A-Z Installations in special classes of buildings. By class, A-Z
 - 6057.A6 Apartment houses. Dwellings
 - 6057.C6 Canneries
 - Dwellings see TH6057.A6
 - 6057.F3 Factories
 - 6057.F35 Farm buildings

| | |
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| | Environmental engineering of buildings. Sanitary engineering of buildings |
| | Installations in special classes of buildings. By class, A-Z -- Continued |
| 6057.I53 | Industrial buildings |
| 6057.L3 | Laundries, Public |
| 6057.M87 | Museum buildings |
| 6057.O4 | Office buildings |
| 6057.P8 | Public buildings |
| 6057.R4 | Restaurants, lunchrooms, etc. |
| 6057.T23 | Tall buildings |
| 6057.T3 | Theaters |
| 6057.W55 | Wineries |
| 6059.A-Z | Installations within special buildings. By name, A-Z |
| | Sanitary crafts |
| | General works |
| 6071 | Early to 1875 |
| 6072 | 1875- |
| 6073 | Textbooks |
| 6081 | Study and teaching. Schools |
| (6085) | Legislation |
| | see class K |
| | Plumbing and pipefitting |
| | Including household plumbing |
| | Cf. TH6703+ Pipefitting |
| 6101 | Periodicals, societies, etc. |
| 6107 | Collected works (nonserial) |
| 6109 | Dictionaries and encyclopedias |
| 6112 | Directories |
| | History |
| 6115 | General works |
| | Special countries |
| | United States |
| 6116 | General works |
| 6117.A-.W | States, A-W |
| 6118.A-Z | Cities, A-Z |
| 6119.A-Z | Other regions or countries, A-Z |
| | General works |
| 6121 | Early to 1875 |
| 6122 | 1875- |
| 6123 | Textbooks |
| 6124 | Popular works. Juvenile works |
| 6125 | Pocketbooks, tables, etc. |
| 6126 | General special |
| 6127 | Addresses, essays, lectures |
| 6128 | Examinations, questions, etc. |
| 6130 | Vocational guidance |
| | Study and teaching |
| 6131 | General works |
| | By region or country |
| | Individual institutions are classed by state or country without further subdivision |
| | United States |
| 6151 | General works |
| 6152.A-Z | By region or state, A-Z |
| 6153.A-Z | Other regions or countries, A-Z |
| (6161-6175) | Laws and regulations |
| | see class K |
| | General special |

- Plumbing and pipefitting
 - General special -- Continued
 - 6225 Specifications
 - 6231 Drawing and drawings
 - Bookkeeping for plumber and pipefitter see HF5686.P7
 - Estimates. Measurements. Quantities and costs
 - 6234 Early to 1850
 - 6235 1850-
 - 6238 Superintendence
 - 6239 Inspection
 - 6241 Testing
 - Cf. TH6617 Testing for leakage
 - Plumbing fixtures and fitting supplies
 - 6249 General works
 - 6252 Standards
 - 6255 Catalogs of plumbing and fitting supplies
 - Cf. TH6299 Plumbers' tools
 - Cf. TH6529 Catalogs of water-supply fixtures
 - Cf. TH6589 Catalogs of drainage fixtures
 - Cf. TH6729 Catalogs of pipefittings
 - (6280) Systems of domestic water supply, drainage, etc.
 - see TH6521+
 - Plumbing work
 - Cf. TH6681+ Maintenance work
 - 6291 General works
 - Laying pipes. Joints. Pipefitting
 - Cf. TH6703+ Pipefitting (General)
 - 6293 General works
 - 6294 Pipe bending
 - 6295 Joint-wiping
 - 6297 Soldering, solder, and fluxes in plumbing
 - Cf. TH6691 Lead burning
 - 6299 Plumbers' tools and apparatus
 - Cf. TH6255 Catalogs of plumbing fixtures, etc.
 - Plastics in plumbing
 - 6325 General works
 - 6330 Plastic tubes and pipes
 - Cf. TA448 Testing of plastic pipes
 - Cf. TP1185.P5 Manufacture of plastic pipes
 - Plumbing of special rooms and areas
 - Bathrooms. Toilet rooms. Lavatories
 - For public toilets see TH6515.P9
 - 6485 General works
 - 6486 General special. Specifications, etc.
 - 6487 Systems
 - Details. Fixtures
 - 6488 General works
 - 6489 Catalogs of bathroom fixtures
 - 6490 Basins
 - Baths
 - Cf. TH6518.B3 Public baths
 - 6491 General works
 - 6492 Shower baths. Sprays
 - 6493 Tubs
 - 6494 Foot baths
 - 6495 Sitz baths

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| | Plumbing and pipefitting |
| | Plumbing of special rooms and areas |
| | Bathrooms. Toilet rooms. Lavatories |
| | Details. Fixtures |
| | Baths -- Continued |
| 6496 | Bidets |
| 6497 | Soil fixtures |
| 6498 | Water closets. Toilets |
| 6499 | Urinals |
| 6500 | Flush tanks and auxiliary valves, etc. |
| 6501 | Hot tubs |
| | Laundry plumbing |
| | For public laundry plumbing see TH6518.L3 |
| 6502 | General works |
| 6503 | Systems |
| | Details |
| 6505 | Washtubs |
| | Kitchen and pantry plumbing |
| | For range water-heating see TH6553+ |
| | For kitchen boilers see TH6563 |
| | For kitchen and laundry drainage systems see TH6661 |
| | For refrigerator plumbing see TH6671.R3 |
| 6507 | General works |
| 6508 | Catalogs |
| 6509 | Systems |
| | Details |
| 6511 | Sinks |
| 6512 | Grease traps |
| | For traps (General) see TH6631+ |
| 6515.A-Z | Plumbing of special buildings, A-Z |
| 6515.A6 | Apartment house plumbing |
| 6515.F2 | Factory plumbing |
| 6515.F3 | Farmhouses |
| | Hospitals and health facilities see RA969.33 |
| 6515.H8 | Hotel plumbing |
| 6515.O3 | Office building plumbing |
| 6515.P9 | Public toilet plumbing |
| 6515.S4 | Schools, universities, etc. |
| 6515.T35 | Tall buildings |
| | Tenement house plumbing see TH6515.A6 |
| 6518.A-Z | Plumbing for special establishments, A-Z |
| 6518.B2 | Bar (saloon) plumbing |
| 6518.B3 | Baths, Public |
| 6518.C3 | Carriage house plumbing |
| | Laundries, Domestic (Plumbing) see TH6502+ |
| 6518.L3 | Laundries, Public |
| 6518.S6 | Soda fountain plumbing |
| | For soda water apparatus see TP635 |
| | Water supply |
| | For municipal water supply see TD201+ |
| | For cold water supply see TH6541+ |
| | For hot water supply see TH6551+ |
| | For pumps see TJ899+ |
| 6521 | General works |
| 6523 | Backsiphonage. Cross-connections |

| TH | BUILDING CONSTRUCTION | TH |
|--------|--|----|
| | Plumbing and pipefitting | |
| | Water supply -- Continued | |
| (6525) | Rural domestic water supply
see TD927 | |
| | Details | |
| 6527 | General works | |
| 6528 | Valves. Faucets
For filters see TD449 | |
| 6529 | Catalogs of water-supply fixtures
Catalogs of pipefittings see TH6729 | |
| 6531 | Theory | |
| (6535) | Domestic means of supply | |
| (6538) | Water measurement and meters
see TD499+ | |
| | Cold water supply | |
| 6541 | General works | |
| | Systems | |
| 6542 | General works | |
| 6544 | Flushing systems (Automatic, etc.) | |
| 6545 | Storage systems. Storage tanks
For fire storage tanks or towers see TH9332+ | |
| (6547) | Details
see TH6527+ | |
| | Hot water supply. Water heaters | |
| 6551 | General. Tank systems. Cylinder systems
Systems of heating
For systems of supply see TH6567 | |
| 6552 | General works
Range water heaters
For kitchen plumbing (General) see TH6507+
For range boilers see TH6563 | |
| 6553 | General works | |
| 6554 | Types
Details | |
| 6555 | Water backs | |
| 6556 | Water heating coils | |
| 6557 | Thermostats | |
| | Steam water heaters | |
| 6558 | General works | |
| 6559 | Steam coil tanks | |
| 6560 | Steam condensation heating tanks | |
| 6561 | Gas water heaters | |
| 6561.5 | Electric water heaters | |
| 6561.7 | Solar water heaters
Cf. TJ809+ Solar energy | |
| | Storage of hot water | |
| 6562 | General works | |
| 6563 | Kitchen boilers and supports | |
| 6564 | Hot water tanks (used with water heaters) | |
| | Explosions and their prevention. Kitchen boiler explosions | |
| 6565 | General works | |
| 6566 | Valves and blow-off cocks
Cf. TJ350+ Safety appliances for steam boilers | |
| 6567 | Systems of supply
For systems of heating see TH6552+ | |
| 6568 | Connections and circulation piping | |

- Plumbing and pipefitting -- Continued
- 6569.A-Z Special applications of water supply, A-Z
 - Cf. TH9332+ Connections for fire extinction
 - Cf. TH9365 Connections for fire extinction
- 6569.D7 Drinking fountains
- 6569.F7 Fountains
- 6569.S7 Sprinklers
- House drainage
- 6571 General works
- 6581 General special
- 6589 Catalogs of drainage fixtures, traps, etc.
 - For catalogs of plumbing and fitting supplies see TH6255
 - For catalogs of closets, basins, etc. see TH6489
 - For catalogs of pipefittings see TH6729
- 6591 Theory
 - Including expansion of drainage system
- Systems
- 6602 One-pipe systems
- 6604 Two-pipe systems
- 6607 Mechanical discharge systems
- 6609.A-Z Special systems. By name of patentee or manufacturer, A-Z
- (6610) Work
- 6613 Connections
- 6615 Roughing in
- 6617 Testing for leakage
 - Testing with compressed air, water, smoke, peppermint, etc.
- Details. Fittings
 - For catalogs of general drainage fittings see TH6589
- 6625 General works
- 6628 Drain piping (General)
 - For soil piping see TH6653
 - For waste piping see TH6658+
 - For vent piping see TH6668
- Traps and vents. Siphonage
 - For drain traps see TH6647
- 6631 General works
- 6633 Special types of traps
 - For grease traps see TH6512
- 6635 Cleanouts
 - For drain cleanout ferrules see TH6646
- (6637) Cesspools
 - see TD775
- (6638) Septic tanks
 - see TD778
- Elements of drainage system
- 6641 House sewer
 - Outside of house, connecting house drain with main sewer
- House drain
 - Horizontal piping in cellar, receiving all house drainage
- 6642 General works
- 6644 Supports for drains
- 6646 Cleanout ferrules
 - For cleanouts (General) see TH6635
- 6647 Special drain types
 - For traps (General) see TH6631+
- Floor and area drains see TH6671.C3

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| | Plumbing and pipefitting |
| | House drainage |
| | Elements of drainage system -- Continued |
| 6649 | Fresh air inlets |
| | Rain leaders see TH2493 |
| | Soil stack systems |
| | Class here draining sewage or sewage and wastes |
| 6651 | General works |
| 6652 | Soil stack |
| 6653 | Soil piping |
| | Waste stack systems |
| | Class here draining wastes |
| 6655 | General works |
| 6656 | Waste stack |
| | Waste piping |
| 6658 | General works |
| | Special waste systems |
| | Cf. TH6671.A+ Special drainage applications |
| 6661 | Kitchen and laundry wastes |
| | For laundry plumbing see TH6502+ |
| | For kitchen plumbing see TH6507+ |
| (6663) | Laving systems and fixtures |
| | see TH6485 TH6500 |
| | Toilet room plumbing and fixtures see TH6485+ |
| | Vent stack systems |
| 6665 | General works |
| 6666 | Vent stack. Roof outlets |
| 6668 | Vent piping |
| | For drain piping (General) see TH6628 |
| | Trap ventilation see TH6631+ |
| 6671.A-Z | Special drainages, A-Z |
| 6671.C3 | Cellar or basement drainage |
| 6671.F6 | Floor and yard drainage |
| 6671.R3 | Refrigerator drainage |
| 6675.A-Z | Special installations. By name, A-Z |
| | Cf. TH6059.A+ Special sanitary installations |
| | Maintenance and repair of plumbing |
| 6681 | General works |
| 6685 | Freezing and thawing of pipes |
| 6691 | Lead burning. Autogenous soldering |
| | For soldering in plumbing see TH6297 |
| | Pipefitting |
| | Class here the installation of piping and fixtures for heating, lighting, etc. |
| | For plumbing see TH6293+ |
| | For gas fitting see TH6840 |
| | For pipefitting for steam and hot water heating see TH7467+ |
| 6703 | General works |
| 6706 | Textbooks |
| 6711 | Pocketbooks, tables, rules |
| 6715 | General special |
| 6721 | Estimates of material and labor |
| 6723 | Prices of pipefittings |
| 6729 | Catalogs of pipefitting |
| | Catalogs of drainage fixtures see TH6589 |
| | Catalogs of gas fixtures see TH6865 |
| | Catalogs of water supply fixtures see TH6529 |

Plumbing and pipefitting

Pipefitting

Catalogs of pipefittings -- Continued

Catalogs of plumbing and fitting supplies see TH6255

Gas in buildings. Building gas supply

Cf. TH6561 Gas water heating

Cf. TH7405+ Gas heating

Cf. TH7466.G3 Central heating with gas

Cf. TH7910+ Gas lighting

Cf. TX657.O6 Kitchen gas ovens

Cf. TX657.S6 Kitchen gas ranges

6800 Periodicals, societies, congresses, etc.

6810 General works

6820 General special

Safety measures

6830 General works

6835 Venting for appliances

6840 Piping installation. Pipefitting

Details

6850 General works

Fixtures and appliances

6855 General works

6860 Maintenance and repair. Testing

6865 Catalogs

6870 Meters

6875 Governors. Regulators

6880 Burners

6882 Flame monitors

Ignition devices

Including electric ignitors

6885 General works

6887 Pilot lights

Heating and ventilation

Cf. TH7201+ Heating of buildings, including special aspects of both heating and ventilation

Cf. TH7647+ Ventilation only

7005 Periodicals, societies, congresses, etc.

7007 Dictionaries and encyclopedias

General works

7010 Early to 1860

7011 1860-

7012 Textbooks

7015 General special

Including climatic factors

(7081-7084) Legislation

see class K

Heating engineering. Industrial heating

Cf. TH6552+ Heating of water

Cf. TJ255+ Engines using heat as a source of power

Cf. TP363 Heating, drying, cooling, etc.

7121 General works

7124 Pocketbooks, tables, etc.

7135 Stoves, etc., for commercial kitchens

Kitchen stoves and ranges see TX657.S3+

Kitchen boilers see TH6563

Stove heating see TH7435+

Stove manufacture see TS425

Heating and ventilation

Heating engineering. Industrial heating -- Continued

Industrial furnaces

Class furnaces for special uses in the field of application

Cf. TK4661 Electric furnaces

Cf. TN677+ Metallurgical furnaces

Cf. TP841+ Kilns

Cf. TS231 Cupola furnaces

7140

General works

7145

Solar furnaces

Cf. TJ809+ Solar energy

Solar water heating see TH6561.7

Solar heating of buildings see TH7413+

Heating of buildings

Including domestic heating

Class here also works that discuss special aspects of both heating and ventilation of buildings

7201

Periodicals, societies, etc.

7205

Congresses

7207

Collected works (nonserial)

7209

Dictionaries and encyclopedias

Directories

7212

General works

7213

Special localities

History

7215

General works

7216.A-Z

Country divisions, A-Z

General works

7221

Early to 1860

7222

1860-

7223

Textbooks

7224

Popular works. Juvenile works

7225

Pocketbooks, tables, rules, etc.

7226

General special

7227

Addresses, essays, lectures

7231

Study and teaching

7325

Specifications

7331

Drawings

Estimates. Measurements. Quantities and costs

7335

General works

7337

Schedules of prices

7338

Superintendence

7339

Inspection

7341

Testing

7345

Equipment and supplies

7355

Catalogs of heaters and fixtures (General)

7391.A-Z

Special rooms, A-Z

7392.A-Z

Special classes of building. By name, A-Z

Cf. TH7684+ Ventilation of special classes of buildings

7392.A6

Apartment houses

7392.A8

Atomic bomb shelters

7392.A9

Automobile service stations

7392.C56

Chemical plants

7392.C6

Churches

College buildings see TH7392.S35

7392.C65

Commercial buildings

7392.C7

Creameries

Heating and ventilation

Heating of buildings

Special classes of building. By name, A-Z -- Continued

Dwellings see TH7201+

Factories see TH7392.M6

7392.F3

Farm buildings

7392.F6

Foundries

7392.G37

Garages

Hospitals see RA969

7392.I53

Industrial buildings

7392.M2

Machine shops

7392.M6

Mills and factories

7392.O35

Office buildings

7392.P33

Packinghouses

7392.P8

Prisons

7392.P9

Public buildings

7392.R3

Railroad structures and buildings

7392.S35

School buildings. University and college buildings

7392.S65

Sports facilities

7392.T34

Tall buildings

7392.T47

Textile factories

7392.T5

Theaters

University buildings see TH7392.S35

7395.A-Z

Special installations. By name, A-Z

Cf. TH7685.A+ Ventilating installations

Heating by special fuels or forms of energy

Cf. TH7424+ Wood heating in fireplaces

Cf. TH7437+ Wood stove heating

7400

Coal heating

Cf. TH7428+ Grate heating

Cf. TH7443+ Coal stove heating

Oil heating

Cf. TH7447+ Oil stove heating

Cf. TH7466.O6 Central heating by oil

7402

Periodicals, societies, congresses, etc.

7403

General works

Gas heating

Cf. TH7434 Gas fireplace heating

Cf. TH7453+ Gas stove heating

Cf. TH7466.G3 Central heating by gas

7405

Periodicals, societies, congresses, etc.

7406

General works

Electric heating

Cf. TH7434.5+ Electric radiant heating

Cf. TH7638 Heat pump systems

7409

Periodicals. Societies. Congresses

7410

General works

Solar heating

Cf. TK1056 Solar powerplants

7413

General works

7413.5

Central solar heating plants with seasonal storage

7414

Solar houses

Geothermal heating

7416

General works

7416.5

Geothermal district heating

7417

Geothermal space heating

| | |
|-----------|--|
| | Heating and ventilation |
| | Heating of buildings |
| | Heating by special fuels or forms of energy |
| | Geothermal heating -- Continued |
| 7417.5 | Ground source heat pump systems |
| | Local heating |
| | Cf. TH2055 Radiative heating (Open fires) |
| | Cf. TH7435+ Convective heating (Stoves) |
| 7418 | General works |
| 7419 | General special |
| 7420 | Theory |
| | For fuel heating see TP315+ |
| | Radiative heating. Open fires |
| 7421 | General works |
| 7422 | Catalogs of fireplace and grate fixtures |
| | For fireplaces see TH7425+ |
| | For grates see TH7428+ |
| | Cf. TH2055 Building fittings |
| 7423 | Charcoal fires. Braziers |
| | Fireplace heating with wood |
| 7424 | General works |
| | Fireplaces |
| 7425 | General works |
| 7426.A-Z | Special fireplaces. By name of manufacturer, etc., A-Z |
| | Including catalogs |
| 7427.A-Z | Details and fittings, A-Z |
| 7427.A5 | Andirons |
| | Grate heating with coal, etc. |
| 7428 | General works |
| | Grates |
| 7429.A1 | General works |
| 7429.A2-Z | Special types of grate. By name, A-Z |
| 7430 | Catalogs (General) |
| 7431.A-Z | Special grates. By name of manufacturer, etc., A-Z |
| | Details and fittings |
| 7432 | General works |
| 7433 | Grate frames. Summer pieces |
| 7434 | Gas fireplace heating. Gas logs |
| | Gas stove heating see TH7453+ |
| | Electric radiant heating. Radiant heaters |
| 7434.5 | General works |
| 7434.7 | Panel type installations |
| | Convective heating. Stoves |
| | Cf. TS425 Manufacture of stoves |
| | Cf. TX657.S3+ Kitchen stoves |
| 7435 | General works |
| 7436.A-Z | Special types, other than by fuel, A-Z |
| 7436.B3 | Base-heating stoves |
| 7436.D6 | Double jacket stoves |
| | With air chamber for air heating |
| 7436.E4 | Earthenware stoves |
| 7436.M37 | Masonry stoves |
| 7436.5 | Biomass stove heating |
| | Wood stove heating |
| 7437 | General works |
| | Wood stoves |

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|----------|---|
| | Heating and ventilation |
| | Heating of buildings |
| | Local heating |
| | Convective heating. Stoves |
| | Wood stove heating |
| | Wood stoves -- Continued |
| 7438 | General works |
| 7439 | Catalogs |
| 7440.A-Z | Special wood stoves. By name of manufacture, etc., A-Z |
| 7441 | Details and fixtures, A-Z |
| | Coal and coke stove heating |
| 7443 | General works |
| 7444 | Catalogs |
| 7445.A-Z | Special stoves. By name of manufacture, A-Z |
| 7446.A-Z | Details and fixtures, A-Z |
| | Oil and gas stove and radiator heating |
| 7447 | General works |
| | Oil stove and radiator heating |
| 7448 | General works |
| | Oil stoves and radiators |
| 7449 | General works |
| 7450 | Catalogs |
| 7450.5 | Kerosene heaters |
| 7451.A-Z | Special oil stoves. By name of manufacturer, A-Z |
| 7452.A-Z | Details and fixtures, A-Z |
| | Gas stove heating |
| | Cf. TH7434 Gas grate heating |
| | Cf. TH7447+ Oil and gas stove heating |
| 7453 | General works |
| | Gas stoves |
| 7454 | General works |
| 7455 | Catalogs |
| 7456.A-Z | Special gas stoves. By name of manufacturer |
| 7457.A-Z | Details and fixtures, A-Z |
| 7457.B8 | Burners |
| 7457.D7 | Draft hoods |
| 7458.A-Z | Stove heating with other fuels. By fuel, A-Z |
| 7458.G7 | Grass heating and stoves |
| | Local heating of special classes of buildings see TH7392.A+ |
| | Central heating |
| | Cf. TH7511+ Hot water heating |
| | Cf. TH7561+ Steam heating |
| | Cf. TH7601+ Hot air heating |
| | Cf. TH7641+ Heating from central stations |
| 7461 | General works |
| 7463 | General special |
| | Including gas heating |
| 7465 | Theory |
| 7466.A-Z | Special fuels, A-Z |
| 7466.G3 | Gas |
| 7466.O6 | Oil |
| 7466.W66 | Wood |
| 7466.5 | Regulators. Thermostats |
| | Cf. TH7687+ Air conditioning |

Heating and ventilation

Heating of buildings

Central heating -- Continued

Hydronic systems

Class here works discussing both hot water and steam heating combined

Cf. TH6703+ Pipefitting

7467

General works

Details for hydronic systems

7469.A1

General works

7469.A2-Z

Special. By name of manufacturer, etc., A-Z

Including histories of manufacturing firms

Furnaces and boilers for heating

Cf. TH7538+ Hot water furnaces and boilers

Cf. TH7588+ Steam furnaces and boilers

Cf. TJ263.5 Boilers (General)

7470

General works

7471

Testing

7473

Stationary or bricked-in

7475

Movable or independent

7476.A-Z

Special furnaces and boilers. By name of manufacturer, etc., A-Z

7477

Door and damper regulators

7478

Piping, valves and other fittings

Cf. TH6703+ Pipefitting

7479

Air vents, etc.

Radiators

Cf. TH7547 Radiators for hot water heating

Cf. TH7597 Radiators for steam heating

7480

General works

Direct radiators and coils

7481

General works

Coils

7482

General works

7483

Flat coils

7484

Wall coils

Radiators

7486

General works

7487

Sectional (cast iron)

7488

Tubular, etc.

7490

Direct-indirect radiators. Ventilating radiators

Indirect radiators

7492

General works

7493

Box coil radiators

7495.A-Z

Special radiators. By name of manufacturer, etc., A-Z

Hot water heating and fixtures

Cf. TH6703+ Pipefitting

7511

General works

7512

Pocketbooks, tables, etc.

7513

Specifications, drawings, etc.

7515

Theory

Low-pressure hot water heating (with dome boilers)

7518

General works

7525

Distribution

Including two-pipe system, one-pipe system, and overhead system

7529

Special details or fixtures (not A-Z)

Including furnaces, boilers, and appurtenances

High-pressure hot water heating (with coil boilers)

- Heating and ventilation
 - Heating of buildings
 - Central heating
 - Hydronic systems
 - Hot water heating and fixtures
 - High-pressure hot water heating (with coil boilers) -- Continued
 - 7530 General works
 - 7533 Distribution
 - 7534.A-Z Special details or fixtures, A-Z
 - Including furnaces, boilers, etc.
 - 7535 Forced circulation systems
 - 7535.5 Radiant floor heating
 - Details or fixtures of hot water heating
 - 7536 General works
 - 7537.A-Z Special. By name of manufacturer, etc., A-Z
 - Furnaces and boilers
 - Cf. TH7470+ Furnaces and boilers for both steam and hot water heating
 - 7538.A1 General works
 - 7538.A2-Z Special. By name of manufacturer, etc, A-Z
 - 7539 Stationary or bricked-in furnaces and boilers
 - 7540 Movable furnaces and boilers
 - 7541 Door and damper regulators
 - 7542 Expansion tanks
 - 7543 Special piping and valves
 - 7545 Air vents and other fittings
 - 7547 Radiators for hot water heating
 - Cf. TH7480+ Radiators for steam and hot water heating
- (7548) Hot water heating of special classes of buildings
 - see TH7392
- (7549) Hot water heating of special installations
 - see TH7395
- Steam heating and fixtures
 - Cf. TH6703+ Pipefitting
 - 7561 General works
 - 7562 Pocketbooks, tables, etc.
 - 7563 Specifications, drawings, etc.
 - 7565 Theory
 - (7567) Systems of distribution, etc.
 - Including two-pipe system, one-pipe system, and overhead or drop system
- Low-pressure steam heating
 - 7570 General works
 - 7571 Gravity systems (water returned to boiler)
 - 7575 Condense-waste systems (water discharge)
 - Live steam systems (from engine boilers)
 - 7576 General works
 - 7577 Exhaust-steam utilization systems
 - 7578.A-Z Special details, A-Z
 - Cf. TJ444 Oil separators (General)
 - 7578.B3 Back pressure valves
 - 7578.G7 Grease separators
 - 7578.V3 Valves
- (7580) High-pressure steam heating
- 7583.A-Z Special steam-heating systems. By name, A-Z
- Details or fixtures of steam heating
 - 7586 General works
 - 7587.A-Z Special. By name of manufacturer, etc., A-Z

- Heating and ventilation
 - Heating of buildings
 - Central heating
 - Hydronic systems
 - Steam heating and fixtures
 - Details or fixtures of steam heating -- Continued
 - Furnaces and boilers
 - 7588.A1 General works
 - 7588.A2-Z Special. By name of manufacturer, etc., A-Z
 - 7589 Stationary or bricked-in furnaces
 - 7590 Movable furnaces
 - 7591 Door and damper regulators
 - 7593 Special piping and valves
 - 7595 Air vents and other fittings
 - 7597 Radiators for steam heating
 - (7598) Steam heating for special classes of buildings
 - see TH7392
 - (7599) Steam heating for special installations
 - see TH7395
 - Warm-air heating and fixtures
 - 7601 General works
 - 7602 Specifications, drawings, etc.
 - Theory
 - 7603 General works
 - 7608 Cold air supply, etc.
 - 7609 Construction
 - Cf. TS250 Sheet metalwork
 - Cf. TS600+ Tinsmithing
 - Systems
 - 7610 General works
 - 7619.A-Z Special. By name, A-Z
 - Details
 - 7621 General works
 - 7622.A-Z Special. By name of manufacturer, etc., A-Z
 - Furnaces and appurtenances
 - Cf. TH7609 Construction
 - 7623 General works
 - 7624.A-Z Special. By name of manufacturer, etc., A-Z
 - 7625 Flues and piping
 - 7626 Registers
 - 7627 Pipe dampers and draft registers
 - (7631) Warm air heating of special classes of buildings
 - see TH7392
 - (7632) Warm air heating of special installations
 - see TH7395
 - Special warm air heating
 - 7633 Warm air heating with heated air not admitted to rooms but removed by convection through floors, etc.
 - 7635 Combination systems
 - Including warm air and steam systems
 - 7638 Heat pump systems
 - For ground source heat pump systems see TH7417.5
 - Cf. TH7687+ Air conditioning
 - Cf. TJ262 Theory
- Heating for a community from a single plant
 - For geothermal district heating see TH7416.5

- Heating and ventilation
 - Heating of buildings
 - Heating for a community from a single plant -- Continued
 - 7641 General works
 - 7643 Heating pipes and mains
 - Ventilation of buildings
 - Periodicals, societies, congresses, etc. see TH7005
 - History
 - 7647 General works
 - Special regions or countries
 - United States
 - 7648 General works
 - 7649.A-.W States, A-W
 - 7650.A-Z Cities, A-Z
 - 7651.A-Z Other regions or countries, A-Z
 - General works
 - 7652 Early to 1800
 - 7653 1800-
 - 7654 Textbooks
 - 7655 Popular works. Juvenile works
 - 7656 Pocketbooks, tables, and rules
 - 7657 General special
 - Including use of ozone
 - 7658 Addresses, essays, lectures
 - Natural ventilation
 - Class here natural draft, without fans, etc.
 - 7674 General works
 - 7675.A-Z Special systems. By name of manufacturer, A-Z
 - Artificial ventilation
 - Including ventilators
 - 7678 General works
 - 7681 General special
 - 7682.A-Z Special systems, A-Z
 - 7682.D45 Demand controlled ventilation systems
 - 7682.D57 Displacement ventilation
 - 7682.E44 Emergency ventilation
 - 7683.A-Z Details, fixtures, etc., A-Z
 - 7683.A25 Air curtains
 - 7683.A3 Air filters. Air washers
 - 7683.D8 Air ducts
 - 7683.F3 Fans
 - 7683.H42 Heat exchangers
 - 7683.L7 Louvers
 - 7683.P8 Punkas
 - 7683.R4 Registers and flues
 - Cf. TH7626 Heating
 - 7683.V4 Ventilators and chimney tops
 - Special ventilation
 - 7684.A-Z Special buildings and facilities, A-Z
 - 7684.A6 Apartment houses
 - 7684.B35 Basements
 - 7684.C44 Chemical plants
 - 7684.C6 Churches
 - 7684.D9 Dwellings
 - 7684.F2 Factories
 - 7684.F3 Farm buildings

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|-----------|--|
| | Heating and ventilation |
| | Ventilation of buildings |
| | Special ventilation |
| | Special buildings and facilities, A-Z -- Continued |
| 7684.F45 | Flour mills |
| | Hospitals see RA969 |
| 7684.K5 | Kitchens |
| 7684.M2 | Machine shops |
| 7684.N83 | Nuclear facilities |
| 7684.P7 | Power plants |
| 7684.P75 | Printing plants |
| 7684.P8 | Public buildings |
| 7684.R3 | Railroad repair shops |
| | Schoolhouses see LB3244 |
| 7684.S55 | Slaughterhouses |
| 7684.T25 | Textile factories |
| 7684.T3 | Theaters |
| 7685.A-Z | Special ventilating installations, A-Z |
| | e.g. |
| 7685.G8 | Great Britain. House of Commons |
| | Air conditioning, cooling, etc. |
| 7687.A1 | Periodicals, societies, etc. |
| 7687.A2-Z | General works |
| 7687.5 | General special |
| | Including noise |
| 7687.7 | Systems and details |
| 7687.75 | Air conditioning from central stations |
| 7687.78 | Chilled beams |
| 7687.8 | Humidity control |
| 7687.85 | Gas air conditioning |
| 7687.9 | Solar air conditioning |
| 7687.95 | Variable air volume systems |
| 7688.A-Z | Special classes of building, A-Z |
| 7688.B3 | Bakeries |
| 7688.C64 | Commercial buildings |
| | Factories |
| 7688.F2 | General |
| 7688.F24 | Food |
| 7688.F27 | Paper |
| 7688.F3 | Textile |
| 7688.H6 | Homes. Dwellings |
| 7688.L3 | Laboratories |
| 7688.O4 | Office buildings |
| 7688.O44 | Offshore structures. Artificial islands |
| 7688.P3 | Packinghouses |
| 7688.P7 | Printing plants |
| 7688.P78 | Public buildings |
| 7688.P8 | Public shelters |
| | School buildings see LB3244 |
| 7688.W3 | Warehouses |
| | Dust removal (by pneumatic suction, etc.) |
| 7692 | General works |
| 7694 | Clean rooms |
| 7695.A-Z | Special systems. By name, A-Z |
| 7695.E4 | Electrostatic precipitation |
| 7695.I52 | Inertial separation |

- Heating and ventilation
 - Ventilation of buildings
 - Dust removal (by pneumatic suction, etc.)
 - Special systems. By name, A-Z -- Continued
 - 7695.S6 Sonic coagulation
 - 7695.V2 Vacuum system
 - 7695.V45 Venturi scrubber
 - 7696 Details. Fixtures
 - In special buildings and operations. By type, A-Z
 - 7697.A-Z Asbestos industry
 - 7697.A8 Brickworks
 - 7697.B75 Building materials industry
 - 7697.B8 Bulk solids handling
 - 7697.B82 Cement industries
 - 7697.C4 Chemical plants
 - 7697.C54 Coal preparation plants
 - 7697.C58 Compressor stations
 - 7697.C6 Crushed stone industry
 - 7697.C7 Electric power plants
 - 7697.E45 Factories and workshops
 - 7697.F2 Food processing plants
 - 7697.F55 Foundries
 - 7697.F6 Grain elevators
 - 7697.G67 Granite plants
 - 7697.I76 Iron industry
 - 7697.M4 Metallurgical plants
 - Mine dust control see TN312
 - 7697.M56 Mineral industries
 - 7697.O7 Ore-dressing plants
 - 7697.P5 Plastics plants
 - 7697.Q37 Quarries
 - 7697.R4 Refractories industry
 - 7697.R6 Rolling mills
 - 7697.S3 Sand and gravel industry
 - 7697.T4 Textile factories
 - 7697.T5 Tin industry
 - 7697.W4 Welding shops
 - 7697.W6 Woodworking industries
 - 7698.A-Z Special installations. By name, A-Z
 - e.g.
 - 7698.S7 Spokane Post Office
 - 7699.A-Z Other hygienic aspects, A-Z
 - 7699.D4 Deodorization
 - Illumination. Lighting
 - Cf. NK2115.5.L5 Lighting as an element in interior decoration
 - Cf. TH7910+ Gas lighting
 - Cf. TK4125+ Electric lighting
- 7700 Periodicals. Societies. Collections
- 7703 General works
- 7710 Pocketbooks, tables, etc.
- 7715 Standards. Specifications
- 7720 Safety measures
- 7723 Shadows
- 7725 General special
- Natural lighting
 - 7791 General works

- Illumination. Lighting
 - Natural lighting -- Continued
 - 7792 Easement of light. Light rights. Ancient light
 - 7795 Luxfer prisms
 - 7799 Sidewalk lights
 - Artificial lighting
 - 7900 General works
 - Gas lighting
 - 7910 General works
 - 7915 Popular works. Consumers' guides, etc.
 - Incandescent gas lighting
 - 7953 General works
 - 7955.A-Z Special systems, A-Z
 - 7955.W3 Washington system
 - 7955.W4 Welsbach system
 - Lighting fixtures
 - Cf. TK4198 Electric lighting fixtures
 - Gas and electric
 - 7960 General works
 - 7963 Specifications
 - Catalogs
 - 7965 To 1880
 - 7967 1880-
 - 7970.A-Z Other special, A-Z
 - 7970.L35 Lampposts
 - 7970.R4 Reflectors
 - 7975.A-Z Special types of buildings, A-Z
 - 7975.C65 Commercial buildings
 - 7975.D8 Dwellings
 - 7975.F2 Factories and workshops
 - Hospitals see RA969.5
 - 7975.P82 Public buildings
 - Cf. TK4399.P8 Electric lighting
 - Workshops see TH7975.F2
 - Acoustics in buildings see TH1725
 - Decoration and decorative furnishings
 - Class here technical works for the artisan
 - For artistic interior decoration see NK1700+
 - 8001 Periodicals
 - General works
 - 8024 Early to 1800
 - 8025 1800-
 - 8026 Textbooks
 - 8031 Pocketbooks, tables, receipts, etc.
 - Plastering, calcimining, etc.
 - 8120 Periodicals, societies, etc.
 - 8131 General works
 - 8132 General special
 - Including drawings, estimates, ready reckoners
 - Plaster
 - Cf. TP888 Manufacture
 - 8135 General works
 - 8137.A-Z Special plasters, A-Z
 - 8137.G8 Gypsum plasters
 - 8139 Plasterboard. Gypsum wallboard. Drywall
 - 8161 Calcimining

| TH | BUILDING CONSTRUCTION | TH |
|----------|--|----|
| | Decoration and decorative furnishings | |
| | Plastering, calcimining, etc. -- Continued | |
| 8181 | Whitewashing | |
| | Glazing, painting, wall decoration, etc. | |
| 8203 | General works | |
| | Glazing | |
| | Cf. TH2270+ Windows and doors and their fittings | |
| | Cf. TP812.A1+ Glazes, enamels, etc. | |
| | Cf. TP823 Technology of ceramic decoration | |
| 8251 | General works | |
| | Ornamental, stained, art, or leaded glass (Use) | |
| | Cf. NK5300+ Art | |
| 8271 | General works | |
| 8275 | Catalogs | |
| | House painting | |
| | see TT300+ | |
| (8303) | General works | |
| | see TT320 | |
| (8321) | Exterior painting and material | |
| | see TT320+ | |
| (8351) | Interior painting and material | |
| | see TT323 | |
| | Wall decoration | |
| | Cf. NK1700+ Art industries | |
| (8403) | General works | |
| | see NK2119 | |
| | Paperhanging and wallpaper | |
| | Cf. NK3375+ Art industries | |
| 8423 | General works | |
| 8441 | Paperhanging | |
| | Wallpaper | |
| | Prefer NK3375+ | |
| 8461 | General works | |
| 8463.A-Z | Special. By name of manufacturer, etc., A-Z | |
| 8471 | Hanging burlap, buckram, lincrusta, etc. | |
| | Cf. NK3175+ Art industries | |
| 8481 | Tapestrying and tapestry | |
| | Cf. NK2975+ Art industries | |
| | Cf. TS1780 Manufactures | |
| | Cf. TT849 Tapestry (Handicrafts) | |
| | Tilelaying and tile | |
| 8521 | General works | |
| 8531 | Tilelaying | |
| | Tile. Decorative and ceramic tile | |
| | Class here works on tile of all materials, including plastic tile, when used for wall and ceiling decoration. Class here only works on ceramic tile when used for flooring | |
| | For other flooring materials, see TH2529 | |
| | Cf. NA3705 Architectural decoration | |
| | Cf. NK4670+ Ceramics | |
| | Cf. TP837 Manufacture of tile | |
| 8541 | General works | |
| 8542.A-Z | Special. By name of manufacturer, etc., A-Z | |

- Decoration and decorative furnishings -- Continued
 - Decorative woodwork
 - Including fretwork, grilles, etc.
 - Cf. NK9600+ Artistic woodwork
 - Cf. TH1151+ Architectural woodwork
 - Cf. TH2553 Interior moldings
- 8581 General works
- Parquet floors see TH2529.W6
- (8601) Draping and drapery
 - see TT390
 - Carpets, rugs, etc. see TS1772+
- Protection of buildings
- 9025 General works
- Against damage from natural causes
- 9031 From dampness. Waterproofing
 - Cf. TH2493 Guttering
- 9035 Molds
- 9039 Weathering
- 9041 Pest control in buildings. Fumigation
 - Cf. TA423.6+ Wood preservation
 - Cf. TX325 Household pests
- Protection of buildings from lightning
 - Cf. TH1061+ Fireproof building construction
- General works
- 9057 Treatises
- 9058 Elementary textbooks
- 9061 Miscellaneous minor works, addresses, essays, etc.
- Systems of protection from lightning
- 9092.A-Z Special systems. By name of manufacturer, A-Z
 - Including catalogs
- Earthquakes and building see TH1095
- Bombproof construction see TH1097
- Stormproof construction see TH1096
- Protection from fire. Fire prevention and extinction
 - Cf. TH1061+ Fireproof building construction
 - Cf. TH9057+ Protection against lightning
- 9111 Periodicals, societies, etc.
 - For local societies see TH9500+
- 9112 Congresses, conventions, etc.
 - For annual conventions of societies see TH9111
- Exhibitions. Museums
- 9114.A1 General works
- 9114.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 9115 Collected works (nonserial)
- 9116 Dictionaries and encyclopedias
- 9116.5 Directories
- History
- 9117 General works
 - Special countries see TH9500+
- Biography
- 9118.A1 Collective
- 9118.A2-Z Individual, A-Z
- 9119 Fire prevention as a profession
- Study and teaching
 - Cf. TH9225+ Engineering

- Protection from fire. Fire prevention and extinction
- Study and teaching -- Continued
- 9120 General works
- United States
- 9123 General works
- 9124.A-.W States, A-W
- 9125.A-Z Cities, A-Z
- 9127.A-Z Other countries, A-Z
- 9128 Physical training for fire fighters
- 9130 Research
- General works
- 9145 Treatises
- 9146 Elements
- 9148 Popular works. Juvenile works
- 9149 Miscellanea
- 9150 Pocketbooks, tables, etc.
- Cf. HG9715 Manuals for insurance inspectors
- 9151 Firemen's manuals
- 9155 Addresses, essays, lectures
- 9157 Examinations, questions, etc.
- 9158 Fire department management
- For special countries, see TH9503+
- (9160) Legislation
- see class K
- 9176 Inspection. Fire inspectors' handbooks
- Including National Board of Fire Underwriters' rules and requirements
- Cf. HG9711+ Fire insurance surveys
- 9180 Investigation of fires
- Cf. SD421.45.I58 Forest fire investigation
- 9182 Safety measures
- Theory of fire protection, etc.
- (9190) General works
- see TH9145
- 9195 Enclosure fires
- 9197 Smoking and fires
- 9198 Spontaneous combustion (in relation to fire)
- 9198.5 Static electricity and fires
- Cf. TH9445.E43 Fire prevention and extinction in electrical equipment
- Fire insurance engineering
- Cf. TH1061+ Fireproof construction, including tests
- 9201 Periodicals, societies, etc.
- 9210 General works
- 9215 Pocketbooks, tables, etc.
- 9220 Addresses, essays, lectures
- Study and teaching
- 9225 General works
- Special schools
- 9230 United States
- 9235.A-Z Other regions or countries, A-Z
- 9237 Laboratories
- Fire prevention
- Cf. TH1061+ Fireproof building construction
- 9241 General works
- 9245 Appliances, etc.
- Fire doors see TH2278+
- Fire detection and alarms

| | |
|--------|--|
| | Protection from fire. Fire prevention and extinction |
| | Fire detection and alarms -- Continued |
| 9271 | Fire detectors. Combustible gas detectors |
| 9275 | Electric thermostat fire detectors |
| 9280 | Communication systems |
| | Fire extinction |
| | Cf. TH9151 Firemen's manuals |
| (9310) | Theory |
| 9310.5 | General works |
| 9310.8 | Command and control |
| | Water supply |
| 9311 | General works |
| | Local see TH9503+ |
| 9323 | Fire streams, nozzle forms, etc. |
| | Cf. TC173 Hydraulic engineering |
| | Special methods of fire extinction |
| | Including special apparatus |
| | Water tower systems |
| 9332 | General works |
| 9333 | For communities |
| 9334 | For individual buildings |
| 9336 | Automatic systems. Automatic sprinkler systems |
| 9338 | Chemical systems |
| | Cf. TH1073+ Fireproof construction (Impregnation) |
| | Cf. TH9362 Fire extinguishers |
| | Cf. TP265+ Chemistry of fire and fire prevention |
| 9339 | Explosion systems, etc. |
| | General equipment and apparatus |
| | Class special equipment with special systems |
| 9360 | General works |
| 9361 | General catalogs of fire department supplies |
| 9362 | Fire extinguishers |
| 9363 | Fire pumps. Hand pumps (Portable) |
| | Cf. TJ903 Hand pumps (General) |
| 9365 | Fire hydrants |
| | Vehicles |
| 9370 | General works |
| | Fire engines |
| 9371 | General works |
| 9372 | Juvenile works |
| 9373 | Catalogs |
| 9374 | Hand fire engines |
| 9375 | Chemical fire engines |
| 9376 | Steam fire engines |
| 9377 | Gasoline fire engines |
| | Fire hose and carts |
| 9378 | General works |
| 9379 | Hose carts |
| 9380 | Hose and nozzles |
| | For fire stream tables see TH9323 |
| 9383 | Hook and ladder trucks |
| 9391 | Fireboats |
| | Protective clothing. Uniforms |
| 9395 | General works |
| 9396 | Breathing apparatus |

Protection from fire. Fire prevention and extinction

Fire extinction -- Continued

Lifesaving at fires. Rescue work

Including drills, etc.

For fire escapes see TH2274

9402

General works

9410

Evacuation of buildings

Systems and apparatus

9412

Scaling ladder systems

9414

Rope systems

9416

Tubular bag systems

9418

Net or sheet systems (jumping systems)

(9425)

Special classes of buildings

see TH9445.A+

9431

Salvage of material during fires

Including protection from water

9445.A-Z

Fire prevention and extinction in special classes of buildings and facilities, A-Z

9445.A4

Aged, Housing for. Nursing homes

9445.A5

Airports

9445.A62

Apartment houses

9445.A7

Archive buildings

9445.A8

Asylums

9445.A85

Atomic power plants

9445.B6

Bowling alleys

9445.B8

Building sites

Cathedrals see TH9445.C5

9445.C47

Chemical plants

9445.C48

Chimneys

9445.C5

Churches, cathedrals, shrines, etc.

9445.C6

Cleaning and dyeing plants

9445.C65

Computers and computer installations

Cf. TH9445.E45 Electronic data processing departments

9445.C67

Conveying machinery

9445.C68

Correctional institutions

9445.C7

Cotton gins

9445.D5

Distilleries

9445.D6

Dormitories

9445.D75

Drilling platforms

9445.D9

Dwellings

9445.E4

Electric power plants

9445.E43

Electrical equipment

9445.E45

Electronic data processing departments

Cf. TH9445.C65 Computers and computer installations

9445.E46

Electronic equipment

9445.E48

Elevators

9445.F35

Farms

9445.F6

Food industry

9445.F87

Furnaces

9445.G3

Garages

Garden apartments see TH9445.A62

9445.G54

Glass trade

9445.G7

Grain elevators

(9445.H3)

Hangers

see TH9445.A5

Health facilities see TH9445.H7

9445.H4

Heating equipment

Protection from fire. Fire prevention and extinction

Fire extinction

Fire prevention and extinction in special classes of buildings and facilities, A-Z --

Continued

| | |
|----------|--|
| | Heliports see TH9445.A5 |
| | Historic buildings see TH9445.M8 |
| 9445.H7 | Hospitals. Health facilities |
| 9445.H75 | Hotels |
| | Industrial buildings see TH9445.M4+ |
| 9445.L5 | Libraries |
| 9445.L8 | Lumberyards |
| | Lunchrooms see TH9445.R44 |
| | Mills and factory buildings |
| 9445.M4 | General works |
| 9445.M45 | Flour mills |
| 9445.M5 | Textile factories |
| 9445.M6 | Woodworking industries |
| | Mines and mining see TN315 |
| 9445.M8 | Museums, historic buildings, etc. |
| 9445.N3 | Navy yards and naval stations |
| 9445.N83 | Nuclear facilities |
| | Nuclear power plants see TH9445.A85 |
| | Nursing homes see TH9445.A4 |
| 9445.O4 | Office buildings |
| 9445.O43 | Offshore structures |
| 9445.O55 | Oil storage tanks |
| | Older people, Housing for see TH9445.A4 |
| 9445.P3 | Paint shops |
| 9445.P38 | Petroleum pipelines |
| 9445.P4 | Petroleum refineries |
| 9445.P5 | Piers and other waterfront structures |
| 9445.P55 | Plastics plants |
| 9445.P8 | Public buildings |
| 9445.R44 | Restaurants, lunchrooms, etc. |
| 9445.S3 | School buildings |
| 9445.S4 | Service industries |
| | Shopping centers see TH9445.S8 |
| | Shrines see TH9445.C5 |
| | Skyscrapers see TH9445.T18 |
| 9445.S8 | Stores, shopping centers, etc. |
| | Cf. TH9445.U5 Underground shopping centers |
| 9445.T18 | Tall buildings. Skyscrapers |
| 9445.T2 | Tanneries |
| | Temples see TH9445.C5 |
| | Theaters |
| 9445.T3 | General works |
| 9445.T4 | Motion picture theaters |
| 9445.T5 | Motion picture films in storehouses, etc. |
| 9445.T7 | Transportation industries |
| 9445.T8 | Tunnels |
| 9445.U5 | Underground shopping centers |
| 9445.W2 | Warehouses |
| | Waterfronts see TH9445.P5 |
| 9446.A-Z | Fire prevention and extinction in special materials, A-Z |
| 9446.A37 | Aerosols |
| 9446.C5 | Chemicals |

Protection from fire. Fire prevention and extinction

Fire extinction

Fire prevention and extinction in special materials, A-Z -- Continued

9446.C6 Chlorine dioxide
 9446.C65 Cleaning compounds
 9446.C7 Cotton and cotton fabrics
 9446.D86 Dust
 9446.G3 Gasoline
 9446.H38 Hazardous substances
 9446.H9 Hydraulic fluids
 9446.H96 Hydrogen
 Inflammable materials
 9446.I47 General works
 9446.I475 Inflammable gases
 9446.I5 Inflammable liquids
 9446.I55 Insecticides
 9446.L57 Liquefied natural gas
 9446.M3 Magnesium
 9446.O95 Oxygen
 9446.P38 Peat
 9446.P4 Petroleum
 9446.P55 Plastics
 9446.P65 Polymers
 9446.R3 Radioactive substances
 9446.R8 Rubber
 9446.S3 Salts

Fire testing of materials. Flammability of materials

9446.3 General works
 9446.5.A-Z Special materials, A-Z
 9446.5.B44 Belts and belting
 9446.5.C35 Carpets
 9446.5.E43 Electric insulators and insulation
 9446.5.F87 Furniture
 9446.5.G55 Glass
 9446.5.P45 Plastics
 9446.5.P65 Polymers
 9446.5.U63 Upholstery
 9446.5.W66 Wood products

9447 Private fire departments for individual establishments

Fires

9448 General works
 Including descriptions of the great conflagrations
 9449.A-Z Special fires. By city, A-Z
 Class here only technical reports
 For popular descriptions, see local history in classes D-F
 Fires in mines see TN315
 Forest fires see SD420.5+
 Grassland fires see SD421.5
 Ground cover fires see SD421.47+
 Wildfires see SD420.5+

Protection from fire in special countries and cities

Including city fire departments and fire fighters's associations.

9500 General collections
 9501 America
 North America (United States and Canada)
 9502 General works

Protection from fire. Fire prevention and extinction
 Protection from fire in special countries and cities
 North America (United States and Canada) -- Continued
 United States

| | |
|---------------|--|
| 9503 | General works |
| 9504.A-.W | Special states, A-W |
| | Subarrange each state by Table T3a |
| | Including works on separate counties |
| | Cutter numbers listed below are provided as examples |
| 9504.D6-.D69 | District of Columbia (Table T3a) |
| 9504.N7-.N79 | New York (State) (Table T3a modified) |
| 9504.N71 | State fire marshal's report |
| 9505.A-Z | Special cities, A-Z |
| | Subarrange each city by Table T3b |
| | e.g. |
| 9505.N5-.N509 | New York (N.Y.) (Table T3b) |
| | Washington (D.C.) see TH9504.D6+ |
| | Canada |
| 9506.A1-.A6 | General works |
| 9506.A8-Z | Provinces, A-Z |
| 9507.A-Z | Special cities, A-Z |
| | Other countries |
| | Mexico |
| 9507.5 | General works |
| 9508.A-Z | Local, A-Z |
| | Central America |
| 9510.A1-.A6 | General works |
| 9510.A8-Z | By region or country, A-Z |
| 9511.A-Z | Special cities, A-Z |
| | West Indies |
| 9512.A1-.A6 | General works |
| 9512.A7-Z | Special islands, A-Z |
| 9513.A-Z | Special cities, A-Z |
| | South America |
| 9514 | General works |
| 9516 | Argentina |
| 9518 | Bolivia |
| 9521 | Brazil |
| 9523 | Chile |
| 9525 | Colombia |
| 9527 | Ecuador |
| | Guiana |
| 9528 | Guyana |
| 9529 | Suriname |
| 9530 | French Guiana |
| 9531 | Paraguay |
| 9532 | Peru |
| 9533 | Uruguay |
| 9534 | Venezuela |
| | Europe |
| 9535 | General works |
| | Great Britain. England |
| 9537 | General works |
| 9539.A-Z | England. Cities, A-Z |
| 9541 | Ireland |
| 9543 | Scotland |

- Protection from fire. Fire prevention and extinction
 - Protection from fire in special countries and cities
 - Other countries
 - Europe
 - Great Britain. England -- Continued
 - 9544 Wales
 - Austria
 - 9545 General works
 - 9546.A-Z Special cities, A-Z
 - 9547 Belgium
 - 9549 Denmark
 - 9551 France
 - Germany
 - 9553 General works
 - 9554.A-Z Special cities, A-Z
 - 9555 Greece
 - 9557 Holland
 - 9559 Italy
 - 9561 Norway
 - 9563 Portugal
 - 9565 Russia. Soviet Union. Russia (Federation)
 - 9567 Spain
 - 9569 Sweden
 - 9571 Switzerland
 - 9575.A-Z Other regions or countries, A-Z
 - Asia
 - 9580 General works
 - 9581 China
 - 9583 India
 - 9585 Japan
 - 9587 Iran
 - 9589 Asia Minor. Turkey
 - 9591 Siberia
 - 9593.A-Z Other regions or countries, A-Z
 - Africa
 - 9594 General works
 - 9596 Egypt
 - 9597.A-Z Other regions or countries, A-Z
 - Australia
 - 9598.A1 General works
 - 9598.A6-Z Local, A-Z
 - New Zealand
 - 9598.5.A1 General works
 - 9598.5.A6-9598.Z Local, A-Z
 - Pacific islands
 - 9599.A1 General works
 - 9599.A6-Z Local, A-Z
- Protection from burglary, sabotage, etc. Security in buildings
 - Cf. HV6646+ Theft
 - Cf. HV8290+ Guards, watchmen, etc.
 - 9701 Periodicals, societies, congresses, etc.
 - 9705 General works
 - Burglar-proof construction
 - 9720 General works
 - 9725.A-Z Details, A-Z
 - 9725.W5 Window guards

Protection from burglary, sabotage, etc. Security in buildings -- Continued

Protection equipment and devices

| | |
|----------|---|
| 9730 | General works |
| 9732 | Fences |
| 9734 | Safes and vaults |
| 9735 | Locks. Electronic locking devices |
| | Cf. TH2279 Door fittings |
| | Cf. TS519+ Locksmithing |
| 9737 | Electronic security systems |
| 9739 | Detection and alarm equipment. Burglar alarms |
| 9745.A-Z | Security of special buildings, A-Z |
| | Archives see CD986 |
| | Art museums see N463 |
| 9745.D85 | Dwellings |
| 9745.F3 | Factories |
| | Health facilities see RA969.95 |
| | Houses see TH9745.D85 |
| | Libraries see Z679.6 |
| | Museums see AM148 |
| 9745.S59 | Skyscrapers |
| 9745.S7 | Stores, Retail |

Mechanical engineering and machinery

Periodicals and societies. By language of publication

1 English

2 French

3 German

4 Other languages (not A-Z)

5 Congresses

Exhibitions. Museums

6.A1 General works

6.A2-Z By region or country, A-Z

Subarrange each country by Table T4b

7 Collected works (nonserial)

9 Dictionaries and encyclopedias

Directories

For directories of makers and dealers in machinery tools, supplies, etc. see TJ1170

11 General and the United States

12.A-.W United States. By state, A-W

Subarrange each state by Table T4a

13.A-Z Other countries, A-Z

14 Philosophy of machinery

History

15 General works

16 Ancient

17 Medieval

18 Modern

19 Nineteenth century

20 Twentieth century

21-127 Country divisions (Table T1a)

Add country number in table to TJ0

130.A-Z Special companies (History, description, etc), A-Z

Biography

139 Collective

140.A-Z Individual, A-Z

General works on mechanical engineering

144 Early to 1800

145 1800-

146 Elementary textbooks

147 Popular works. Juvenile works

148 Laboratory practice and student manuals. Testing

Cf. TA416+ Engineering laboratories

151 Pocketbooks, rules, tables, etc.

153 General special

Including data processing, costs, etc.

155 Addresses, essays, lectures

157 Mechanical engineering as a profession

Study and teaching

158 General works

159 Problems, questions, etc.

Research

159.5 General works

159.7.A-Z By region or country, A-Z

Communication in mechanical engineering

160 General works

160.5 Information centers

Mechanical and electrical engineering combined

163 General works

- Mechanical and electrical engineering combined -- Continued
- 163.12 Mechatronics
 For microelectromechanical systems see TK7875
- Power resources
 For special power resources, see the resources e.g. TP315+ Fuel; TK9001+ Atomic power; etc.
 Cf. TJ260 Heat as a source of power
 Cf. TJ807+ Renewable energy sources
 Cf. TN263.5 Energy minerals
- 163.13 Periodicals. Societies. Serials
- 163.15 Congresses
 Exhibitions. Museums
- 163.155.A1 General works
- 163.155.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 163.16 Dictionaries and encyclopedias
- 163.165 Directories
- 163.17 Information services
- 163.2 General works
- 163.23 Juvenile works
- 163.235 Handbooks, tables, etc.
- 163.24 Addresses, essays, lectures
- 163.245 Energy audits
- 163.25.A-Z Special regions or countries, A-Z
- Energy conservation
 Cf. HD9502+ Economics of power resources and energy policy
 Cf. TN860+ Petroleum conservation
- 163.26 Periodicals. Societies. Serials
- 163.27 Congresses
- 163.28 Dictionaries and encyclopedias
- 163.3 General works
- 163.35 Juvenile works
- 163.4.A-Z Special regions or countries, A-Z
- Biography
- 163.45 Collective
- 163.46.A-Z Individual, A-Z
- 163.5.A-Z Energy conservation or consumption in special industries, facilities, etc., A-Z
- 163.5.A37 Agriculture
 Air transport see TJ163.5.T7
 Apartment houses see TJ163.5.D86
- 163.5.B84 Buildings
- 163.5.C45 Cement industries
- 163.5.C54 Chemical industry
- 163.5.C57 Churches. Religious institutions
 Colleges see TJ163.5.U5
- 163.5.C65 Construction industry
- 163.5.D38 Data processing service centers
- 163.5.D86 Dwellings
- 163.5.F3 Factories
- 163.5.F5 Finishing industry
- 163.5.F6 Food industry
 Foundries see TJ163.5.M48
- 163.5.G55 Glass manufacture
 Health facilities and hospitals see RA967
- 163.5.H4 Heating plants
- 163.5.H67 Hotels. Motels
- 163.5.M48 Metallurgical plants

- Energy conservation
 - Energy conservation or consumption in special industries, facilities, etc., A-Z -- Continued
- 163.5.M54 Military bases
- 163.5.M56 Mineral industries
- 163.5.M87 Museums
- 163.5.O35 Office buildings
- 163.5.P33 Package goods industry
- 163.5.P37 Paper and pulp mills
- 163.5.P47 Petroleum refineries
- 163.5.P48 Plastics industry
- 163.5.P68 Power plants
- Religious institutions see TJ163.5.C57
- 163.5.R64 Rolling mills
- 163.5.R82 Rubber industry
- Schools see TJ163.5.U5
- 163.5.S67 Sports facilities
- 163.5.S83 Steelworks
- 163.5.S85 Stores, Retail
- 163.5.S93 Sugar industry
- Supermarkets see TJ163.5.S85
- Taverns see TJ163.5.H67
- 163.5.T48 Textile industry
- 163.5.T7 Transportation
- 163.5.U5 Universities and colleges. Schools
- 163.5.W36 Waterworks
- 163.5.W66 Wood-using industries
- Power (Mechanics)
- 163.6 Periodicals. Societies. Serials
- 163.7 Congresses
- 163.8 Dictionaries and encyclopedias
- 163.9 General works
- 163.95 Juvenile works
- 164 Power plants (General)
 - Cf. TJ395+ Steam
 - Cf. TK1191+ Electric
 - Cf. TK4399.P6 Electric lighting
- 165 Energy storage
 - Cf. TJ260 Thermal energy storage
 - Cf. TJ541 Flywheels
 - Cf. TJ981+ Compressed air
 - Cf. TK2980+ Electric energy storage
- 166 Safety measures and devices
 - Cf. TJ1177 Machine shops
- 168 General catalogs of mechanical engineering equipment
- Mechanics applied to machinery. Dynamics
- 170 General works
- 173 General special
 - Including work diagrams
- 174 Maintenance and repair of machinery
- 175 Principles of mechanism. Kinematics of machinery
- 177 Vibration of machinery
- 177.5 Alignment of machinery
- 179 Noise in machinery
 - Cf. TD893.6.M3 Noise in machine shops
- Mechanical movements
- 181 General works

Mechanical movements -- Continued

Special movements and devices

181.3 Perpetual motion

181.5 The wheel

181.6 Intermittent-motion mechanisms

181.7 Geneva mechanisms

181.8 Straight-line mechanisms

181.9 Pantograph

Belt gearings, belts, pulleys, etc. see TJ1100+

Links and link motion. Cranks

Cf. TJ762.C73 Motors

182 General works

183 Hooke's and other link couplings

183.5 Rolling contact

Toothed gears. Gearing

184 General works

185 Tables, lists, etc.

186 Laying out gear teeth. Odontographs

187 Gear-cutting machines

188 Catalogs

Special gears

189 Spur gears

190 Racks (Racks and pinions)

191 Annular gears

192 Stepped, twisted, and helical gears

Bevel gears

193 General works

194 Miter wheels

196 Screw bevel gears

Screw gears see TJ192

200 Worm gears

202 Other forms of gears

Including internal gears, reduction gears, asymmetric gears

204 Transmission gears

Cf. TL260+ Automobiles

206 Cams

208 Vibrators

209 Gyroscopes

Cf. QA862.G9 Analytic mechanics

Cf. TL589.2.C58 Compass (Gyroscope)

Cf. TL589.2.O6 Optical gyroscope

210 Springs

Mechanical devices and figures. Automata. Ingenious mechanisms. Robots (General)

For industrial robots see TS191.8

Cf. ML1050 Automatic musical instruments

Cf. S678.65 Robotics in agriculture

Cf. TL1097 Space robotics

210.2 Periodicals. Societies. Serials

210.3 Congresses

210.4 Dictionaries and encyclopedias

210.5 Directories

211 General works

211.15 Popular works

211.2 Juvenile works

211.25 Vocational guidance

Mechanical devices and figures. Automata. Ingenious mechanisms. Robots (General) --

Continued

- 211.26 Study and teaching
 - Cf. TJ211.49 Human factors
- 211.28 Moral and ethical aspects
- 211.3 Robot vision
- 211.35 Control systems
- 211.36 Microrobots
- 211.37 Evolutionary robotics
- 211.4 Robot motion. Robot dynamics
- 211.412 Robot kinematics
- 211.415 Mobile robots
- 211.4152 Parallel robots
- 211.416 Personal robotics
- 211.417 Error detection and recovery
- 211.419 Calibration
- 211.42 Robot wrists
- 211.43 Robot hands
- 211.45 Programming
- 211.47 Computer simulation
- 211.49 Human factors
 - Cf. TJ211.28 Moral and ethical aspects
- 211.495 Autonomous robots
- 211.5 Specifications and standards
- Control engineering systems. Automatic machinery (General)
 - Cf. HD6331+ Labor displacement
 - Cf. T59.5 Automation
 - Cf. TA165 Industrial instrumentation
 - Cf. TJ1180+ Automatic machine tools
 - Cf. TS156.8 Process control
- 212 Periodicals. Societies. Collected works
- 212.2 Congresses
- 212.5 Dictionaries and encyclopedias
- 213 General works
- 213.5 Popular works. Juvenile works
- 213.7 Addresses, essays, lectures
- 213.75 Study and teaching
- 213.8 Problems, exercises, etc.
- 213.9 Laboratory manuals
- 213.95 Reliability
- Control systems
 - 214 Servomechanisms
 - 214.5 Motion control devices
 - 216 Feedback control systems
 - 216.5 Feedforward control systems
 - 217 Adaptive control systems
 - 217.2 Robust control
 - 217.5 Intelligent control systems
 - 217.6 Predictive control
 - 217.7 Real-time control
 - 218 Carrier control systems
 - 218.5 Relay control systems
 - 218.7 Binary control systems
 - 219 Pneumatic control systems
 - 220 Linear control systems
 - 220.3 Nonlinear control systems

- Control engineering systems. Automatic machinery
- Control systems -- Continued
- 220.5 Sliding mode control
- 221 Passivity-based control
- 222 Supervisory control systems
 - Including SCADA systems
- 223.A-Z Special, A-Z
- 223.A25 Actuators
- 223.C45 Chattering control
- 223.C6 Counters
- Digital control see TJ223.M53
- 223.E4 Electromagnets
- 223.E65 Equalizers
- 223.L5 Level indicators
- 223.M3 Magnetic devices
- 223.M53 Microprocessors. Microcomputers. Digital control
 - Cf. QA76.6+ Computer programming
 - Cf. TK7895.M5 Computer hardware
- Optoelectronic devices see TJ223.P5
- 223.P4 Perceptrons
- 223.P5 Photoelectronic devices. Optoelectronic devices
- 223.P55 PID controllers
- 223.P67 Positioners
 - Including micropositioners
- 223.P76 Programmable controllers
- 223.R3 Radioactive measurements
- 223.S45 Semiconductors
- 223.S6 Solions
- 223.T4 Thermometers, etc.
- 223.T5 Timers
- 223.T75 Transducers
- 223.V3 Valves
- 225 Applications (General)
 - For special applications, see field of application, e.g. TJ1225 Milling machines numerically controlled
- Machine design and drawing
 - Including construction if contained in the same works
 - For the design of special machines, see below under each machine
 - For mechanical drawing see T351+
- 227 Drafting room practice
- 230 General works
- 233 General special
- 235 Graphic statics applied to machinery
- 240 Atlases and collections of designs and plans
- 241 Machinery manufacturing (General)
 - For special types of machinery and machine-building processes, see under each machine or process, e.g. TJ1125+ Machine shop practice; TK2331 Electric machinery; TN345 Mining machinery; TS225+ Forging; TS228.99+ Founding; TS1525 Textile machinery
 - Cf. HD9705+ Machinery trade and manufacture
- 243 Machine parts
- 245 Specifications for machinery
- 245.5 Quality control of machinery
- 246 Packing. Gaskets. Sealing
 - Cf. TJ529 Steam engine cylinder packing
- 247 Diaphragms
- 247.5 Bellows

- 248 Mechanical models
- 249 Erecting work. Foundations
- Prime movers in general
- 250 General works
- 253 Testing
- 254 Governors and governing
 - Cf. TJ550+ Steam engines
 - Cf. TJ1055 Machinery exclusive of prime movers
- Combustion engineering
 - Cf. QD516 Thermochemistry
 - Cf. TH7140+ Industrial furnace
 - Cf. TJ324.7 Furnaces
 - Cf. TJ756 Internal combustion engines
 - Cf. TJ773 Explosion or ignition devices
 - Cf. TJ797 Diesel engines
 - Cf. TP315+ Fuel
- 254.5 General works
- 254.52 Air-fuel ratio
- 254.7 Combustion chambers
 - Cf. TL709.5.C55 Jet engines
- Heat engines. Heat engineering
 - Class here engines using heat as a source of power, including thermal energy systems
 - For hot-air engines see TJ765
- 255 General works
- 255.5 Materials
 - Including ceramic materials
- 260 Heat in its applications, as a source of power, etc
 - Class here heat from the mechanical engineering standpoint
- 262 Heat pumps
 - Cf. TH7638 Heating and air conditioning
- Heat exchangers
 - For special applications, see under machine or process, e. g. TJ778 Gas turbines; TP363
 - Heating, drying, cooling, evaporating, etc.
- 263 General works
- 263.2 Thermosyphons
- 263.3 Kalina cycle systems
- 263.5 Boilers (General)
 - Cf. TH7470+ Heating
 - Cf. TJ281+ Steam boilers
- 264 Heat pipes
- 264.5 Vortex tubes
- 265 Theory of heat engines. Thermodynamics
- Turbines. Turbomachines (General)
 - Cf. TJ735+ Steam turbines
 - Cf. TJ778 Gas turbines
 - Cf. TJ870+ Hydraulic turbines
 - Cf. VM740 Marine turbines
- 266 General works
- 267 Theory of turbines. Fluid, aero- and hydrodynamics of turbomachinery
- 267.5.A-Z Special topics, A-Z
- 267.5.B43 Bearings
- 267.5.B5 Blades
- 267.5.C3 Cascades
- Compressors
 - General works
 - Supersonic compressors

- Turbines. Turbomachines (General)
- Special topics, A-Z -- Continued
- 267.5.D4 Diffusers
- 267.5.D5 Disks
- 267.5.I6 Impellers
- 267.5.N5 Noise
- 267.5.N6 Nozzles
 - Including supersonic nozzles, etc.
- Steam engineering
- Steam
 - Including heated fluids
 - 268 Properties, etc.
 - 270 Tables, calculations, etc.
 - 271 Flow in pipes, orifices, etc.
 - 272 Superheated steam. Superheaters, etc.
 - Cf. TJ693 Locomotives
 - 275 Treatises, textbooks, etc.
 - 277 Pocketbooks, tables, etc.
 - 279 General special
 - Including high pressure steam
- Study and teaching
- 280 General works
- 280.5 Examinations, questions, etc.
- 280.7 Geothermal engineering
 - Cf. TH7416+ Geothermal heating
 - Cf. TK1055 Production of electric power from geothermal energy
- 280.75.A-Z Special topics, A-Z
- 280.75.G46 Geothermal wells
 - Including drilling
- Steam boilers
 - Cf. TJ263.5 Boilers (General)
 - 281 Periodicals, societies, etc.
 - 282 Dictionaries and encyclopedias
 - 283 History
 - General works
 - 284 Early works to 1850
 - 285 1850-
 - 286 Elementary textbooks
 - 288 General special
 - Including boiler accessories
 - 289 Handbooks, management and care of boilers
 - Including firemen's manuals, catechisms, etc.
 - Cf. VM749 Manuals for marine boiler attendants
- Construction (Boilermaking)
- 290 General works
- 291 Material of boilers, strength and testing
- 292 Settings
- 293 Supports
- 294 Manholes
- 295 Models
- 296 Catalogs
 - For special types see TJ310+
- 297 Testing. Heat transmission through boiler tubes
- 298 Safety measures. Inspection
- Steam boiler explosions
 - Cf. TH6565+ Kitchen boiler explosions

- Steam boilers
 - Steam boiler explosions -- Continued
 - 299 General works
 - 301 Reports of special boiler explosions
 - (302-308) Law and legislation
 - see class K
 - Types of boilers
 - 310 Early types
 - Including Cornish, Lancashire, etc.
 - Multitubular
 - 311 General works
 - 312 Vertical
 - Locomotive boilers see TJ642
 - Water tube boilers
 - 314 General works
 - 315.A-Z Special types, A-Z
 - 316.A-Z Combination and other forms, A-Z
 - 318 Electrically heated steam boilers
 - 319 Waste heat boilers
 - Kitchen boilers see TH6563
 - Marine boilers see VK588+
 - Boiler details and accessories
 - Furnaces
 - 320 General works
 - Grates
 - 322 General works
 - 324.A-Z Special types, A-Z
 - 324.5 Fuel systems
 - 324.7 Combustion
 - 325 Gas burning installations
 - 326 Oil burning installations
 - 328 Air preheating
 - Chimneys
 - Cf. TH4591 Construction
 - 330 General works
 - 333 Draft
 - 335 Forced draft. Mechanical draft
 - Smoke prevention and consumers see TD884
 - 340 Fuel economizers
 - 345 Mechanical stokers. Automatic stokers
 - 347 Grate shakers
 - Safety appliances
 - Cf. TH6565+ Hot water supply
 - 350 General works
 - Safety valves
 - 352 General works
 - 354.A-Z Special types, A-Z
 - 356 Fusible plugs
 - 357 Pressure regulators
 - 358 Blowoffs
- Water gages
 - 360 General works
 - 363 Gage or try cocks
 - 366 Water glasses
- Steam or pressure gages
 - 370 General works

- Steam boilers
 - Boiler details and accessories
 - Steam or pressure gages -- Continued
 - 372.A-Z Steam types, A-Z
 - Feed apparatus
 - 375 General works
 - 377 Water supply for boilers
 - 378 Wells, etc.
 - 379 Feedwater purification. Water softeners, etc.
 - Feedwater heaters
 - 381 General works
 - 383.A-Z Special types, A-Z
 - 385 Feed pumps
 - 387 Injectors
 - Boiler scale
 - Including its prevention and removal
 - 390 General works
 - 392 Boiler compounds. Catalogs, circulars, etc.
 - 393 Steam accumulators
 - Steam powerplants. Boiler plants
 - 395 Plants for power, heating, etc.
 - Plants for power alone
 - 400 General works
 - 403 General special
 - 405 Operation and management
 - 407 Special plants. Description, plans, drawings, testing, etc.
 - Coal and ash handling see TJ1405
 - 411 Directories of manufacturers and dealers in equipment and supplies
 - 412 Equipment and supplies
 - Including catalogs
 - Pipe and fittings
 - Including standardization
 - Cf. TH7478 Steam heating fittings
 - 415 General works
 - (418) Catalogs
 - see TJ412
 - 421 Pipe flanges
 - Including standardization
 - 424 Expansion joints
 - 427 Steam pipe covering
 - Steam valves
 - 430 General works
 - 432 Catalogs
 - 433 Reducing valves
 - 435 Steam packing
 - 438 Steam traps
 - 441 Steam separators
 - 444 Oil separators
 - Cf. TH7578.G7 Steam heating, grease separators
 - Steam engines
 - 461 History
 - 464 Early works to 1850
 - 465 1850-
 - 466 Textbooks
 - 467 Popular works. Juvenile works

- Steam engines -- Continued
- 469 General special
 - Including curiosa
- 471 Handbooks, etc., for engine tenders
- 472 Addresses, essays, lectures
- 473 Catalogs (General)
 - For special types, see below
- 474 Standards. Specifications
- 475 Tests and efficiencies
- 478 Indicators
- 480 Models
- 483.5.A-Z Other special topics, A-Z
- 483.5.T47 Thermodynamics
- Steam engines. Special types (Reciprocating)
 - For early types see TJ461+
- 485.A-Z Types. By inventor or maker, A-Z
 - e.g.
- 485.C5 Corliss
- Types. By use of steam
- Simple
- 490 General works
- 492 Single acting
- 494 Double acting
- 495.A-Z Special makes, A-Z
- Compound
- 497 General works
- 499.A-Z Special makes, A-Z
- Triple expansion
- 501 General works
- 503.A-Z Special makes, A-Z
- 505 Quadruple expansion
- 507 Other types (not A-Z)
- Steam engines (Design and construction)
- 515 General works
- 520 Balancing of engines
- Details
 - Including description and parts
- 523 Foundations
- 525 Frame setting
- Cylinder
- 527 General works
- 529 Stuffing box. Packing
- 531 Steam jacket
- 533 Piston and piston rod. Piston rings
- 535 Crosshead and connecting rod
- 537 Crank and crankpin
- 539 Shaft and journals
- 541 Flywheel
- 543 Eccentric and eccentric-rod
- 545 Slide valve
- 546 Piston valve
- Valve gears
- 547 General works
- 548.A-Z Special types, A-Z
- Governors
- 550 General works

- Steam engines
 - Steam engines (Design and construction)
 - Details
 - Governors -- Continued
 - 551.A-Z Special types, A-Z
 - 551.C8 Corliss valve gears
 - Steam engine accessories
 - 555 General works
 - 557 Condensers
 - 559 Jet
 - 561 Surface
 - 563 Cooling towers
 - 565 Wells
 - 567 Exhausts
 - Locomotives
 - Cf. TF1+ Railroads
 - History
 - Cf. TJ625.A+ Special locomotive works
 - 603 General works
 - Special countries
 - United States
 - 603.2 General works
 - 603.3.A-Z Special railroad lines. By line, A-Z
 - e.g.
 - 603.3.S6 Southern Pacific Railroad
 - 603.4.A-Z Other regions or countries, A-Z
 - Under each:*
 - .x General works
 - .x2A-.x2Z By special line, A-Z
 - Biography of locomotive engineers
 - For biography of inventors, designers, manufacturers, etc., of locomotives see TJ140.A+
 - 603.49 Collective
 - 603.5.A-Z Individual, A-Z
 - General works
 - Including dictionaries
 - 604 Early to 1850
 - 605 1850-
 - 605.5 Juvenile works
 - 606 Manuals, pocketbooks, etc. for the locomotive builder
 - 607 Handbooks, manuals, etc. for locomotive engineers and firemen
 - 608 General special
 - Including boiler accessories
 - Special types
 - 609 General works
 - 611 Simple
 - 613 Compound
 - 615 Other types. By use of steam
 - Electric locomotives see TF975
 - 618 Oil burning steam locomotives
 - Diesel locomotives
 - 619 General works
 - Special regions or countries
 - United States
 - 619.2 General works
 - 619.3.A-Z Special railroad lines. By line, A-Z

- Locomotives
 - Special types
 - Diesel locomotives
 - Special regions or countries -- Continued
 - 619.4.A-Z Other regions or countries, A-Z
 - Under each:*
 - .x *General works*
 - .x2A-.x2Z *By special line, A-Z*
 - 619.5 Engines
 - 619.7 Electric equipment
 - Electro-diesel locomotives see TF980
 - 621 Gasoline locomotives
 - 622 Gas turbine locomotives
 - 623 Nuclear locomotives
 - 625.A-Z Special locomotive works and companies, A-Z
 - Including reports, histories, catalogs and descriptions of their locomotives
 - e.g.
 - 625.B2 Baldwin Locomotive Works
 - 630 Models and miniature engines
 - 635 Design and construction
 - Repairs see TJ675
 - Details (Various motive powers)
 - 640 Frames and running gear
 - 642 Boilers
 - Including regulation and inspection
 - Fireboxes
 - 646 General works
 - 647 Ashpans
 - 648 Fuel for locomotives. Coal, oil, etc.
 - Cf. TJ690 Locomotive performance
 - 649 Mechanical stokers
 - 650 Draft appliances. Exhausts
 - 653 Smoke prevention
 - 656 Sparks and spark arresters
 - 659 Cylinders, pistons, etc.
 - 662 Connecting rods, etc.
 - 665 Valves and valve gears
 - Other special
 - 668 Headlights
 - 669.A-Z Other, A-Z
 - 669.B4 Bearings
 - 669.B6 Boosters
 - 669.B7 Brakes
 - 669.C6 Compressors
 - 669.C7 Cranks and crankshafts
 - 669.E4 Electric equipment
 - 669.S6 Speedometers
 - 669.S7 Storage batteries
 - 669.W54 Wheels
 - 671 Locomotive tenders
 - 675 Locomotive maintenance and repair. Lubrication
 - Locomotive works and shops
 - 680 General works
 - 683 Shop practice
 - Supervision and inspection of locomotives
 - Cf. TJ642 Boiler inspection

Locomotives

Supervision and inspection of locomotives -- Continued

Documents

685.A1-.A5

United States

685.A6A-.A6Z

Other countries, A-Z

685.A7-Z

General works

690

Testing. Locomotive performance

Cf. TF550+ Movement of trains

693

Superheated steam for locomotives

695

Locomotives for industrial purposes, logging, mining, etc.

Cf. TN337 Electric mine locomotives

Other steam engines

Marine engines see VM731+

700

Traction engines, etc.

705

Steam wagons, trucks, etc.

Cf. TL200+ Steam automobiles

Road rollers see TE223+

710

Portable engines

712

Farm engines

717

Reciprocating engines of unusual form

Steam engines of other forms not reciprocating

720

General works

725

Eolipiles

727

Aerosteam engines

729

Rotary engines

731

Cycloidal engines

Steam turbines

Cf. VM740 Marine turbines

735

General works

737

General special

740

Special types, makes, etc. (not A-Z)

Miscellaneous motors and engines

Including internal combustion engines; air, gas, and oil engines, etc.

751

Periodicals, societies, etc.

752

Dictionaries and encyclopedias

753

History

755

General works

755.5

Juvenile works

756

Combustion. Thermodynamics

Cf. TJ797 Diesel engines

758

Patents

759

General special

762.A-Z

Parts and systems, A-Z

762.B4

Bearings

762.C73

Crankshafts and cranks

Cf. TJ669.C7 Locomotives

Cf. TL210+ Motor vehicles

762.C94

Cylinder blocks

762.E93

Exhaust systems

Including exhaust manifolds

762.F84

Fuel systems

762.S95

Superchargers

763

Adiabatic engines

764

Barrel engines

765

Hot-air engines. Caloric engines

Compressed air engines

| | |
|-----------|---|
| | Miscellaneous motors and engines |
| | Compressed air engines -- Continued |
| 766 | General works |
| 766.5 | Air turbines |
| 766.7 | Air-cooled engines |
| 768 | Gas powerplants |
| | Gas engines |
| 770 | General works |
| 773 | Explosion or ignition devices |
| 774 | Other details. Cylinders, pistons, etc. |
| 775 | Regulation devices |
| 776 | Special types |
| | Including catalogs |
| 777.A-Z | Special applications, A-Z |
| 777.F3 | Farm engines |
| 778 | Gas turbines |
| | Cf. TJ812.6 Solar gas turbines |
| | Cf. VM740 Marine turbines |
| 779 | Free piston engines |
| 779.2 | Opposed piston engines |
| 780 | Engines for utilization of furnace and waste gases and heat |
| | Internal combustion engines, Spark ignition |
| | Cf. TJ621 Gasoline locomotives |
| | Cf. TL210+ Automobile motors |
| | Cf. TL701+ Airplane motors |
| | Cf. VM771+ Marine engines |
| 782 | Periodicals, societies, congresses, etc. |
| 785 | General works |
| | Carburetion, ignition, etc. Spark plugs. Magnetos |
| | Cf. TL213 Automobiles |
| 787 | General works |
| 787.3.A-Z | Special topics, A-Z |
| 787.3.M57 | Misfire |
| 788 | Cylinders, pistons, and other parts |
| 789 | General special |
| | Including lubrication, cooling, etc. |
| | For automobile or airplane lubricants prefer TL153.5 and TL702.L8 |
| | Special types |
| 790 | Small gasoline engines |
| | Including two-stroke and four-stroke engines |
| 791 | Stratified charge engines |
| 792 | Rotary combustion engines |
| | Including Wankel engine, Frasca engine |
| | Special applications |
| 793 | Agricultural machinery |
| 793.2 | Construction equipment |
| 793.3 | Hoisting machinery |
| | Diesel engines |
| | Cf. TJ619.5 Diesel engines for locomotives |
| | Cf. TK1075 Diesel engine electric plants |
| | Cf. TL704.2 Diesel engines for aircraft |
| | Cf. VM770 Marine diesel engines |
| 795.A1 | Periodicals, societies, etc. |
| 795.A2-Z | General works |
| 795.5 | Special types, makes, etc. (not A-Z) |

- Miscellaneous motors and engines
 - Diesel engines -- Continued
 - 797 Fuel systems. Fuel injection systems. Combustion
 - Cf. TP343+ Diesel fuels
 - 798 Lubrication
 - 798.5 Cylinders, pistons and other parts
 - 799 General special
 - Including cooling, governors, exhaust systems, etc.
 - 800 Alcohol motors
 - 805 Engines or motors using other combustible liquids and vapors
- Renewable energy sources
 - Cf. GB1199.5+ Geothermal resources
 - Cf. TC147 Water power
 - Cf. TP360 Biomass energy
- 807 Periodicals. Societies. Serials
- 807.2 Congresses
- 807.4 Dictionaries and encyclopedias
- 807.6 Directories
- 807.8 Information services
- 807.9.A-Z By region or country, A-Z
- 808 General works
- 808.2 Juvenile works
- 808.3 Handbooks, tables, etc.
- 808.5 Addresses, essays, lectures
- Research
 - 808.6 General works
 - 808.7.A-Z By region or country, A-Z
- Solar energy
 - Class here general works on solar energy. For applications in special fields, see the field, e.g.
 - TH7413 Solar heating of buildings
 - Cf. HD9681 Solar energy industry
 - Cf. NA2542.S6 Architecture and solar radiation
 - Cf. QC910.2+ Solar radiation
 - Cf. TH6561.7 Solar water heating
 - Cf. TH7414 Solar houses
 - Cf. TK1056 Production of electric power from solar energy
- 809 Periodicals. Societies. Serials
- 809.2 Congresses
- Exhibitions. Museums
 - 809.4 General works
 - 809.5.A-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 809.6 Dictionaries and encyclopedias
- 809.8 Directories
- 809.9 Information services
 - By region or country
 - United States
 - 809.95 General works
 - 809.96.A-Z By region or state, A-Z
 - 809.97.A-Z Other regions or countries, A-Z
- 810 General works
- 810.3 Juvenile works
- 810.5 Handbooks, tables, etc.
- 810.7 Addresses, essays, lectures
- 810.9 Study and teaching
- Research

- Renewable energy sources
 - Solar energy
 - Research -- Continued
 - 811 General works
 - 811.5.A-Z By region or country, A-Z
 - Special topics
 - 811.8 Photosynthesis
 - Solar batteries. Solar cells see TK2960
 - 812 Solar collectors
 - 812.5 Solar engines
 - 812.6 Solar gas turbines
 - 812.7 Solar materials
 - 812.8 Solar ponds
 - Wind power
 - 820 General works
 - Windmills
 - 823 History
 - 824 Early works to 1800
 - 825 1800-
 - 827 Trade catalogs
 - 828 Wind turbines
 - Wind pumps see TJ926
 - 830 Animal motors. Treadmills
- Hydraulic machinery
 - Cf. TC1+ Hydraulic engineering
 - 836 Periodicals. Societies. Serials
 - 838 Congresses
 - 839 Dictionaries and encyclopedias
 - General works
 - 840.A2 Early to 1800
 - 840.A3-Z 1800-
 - 843 Oil hydraulics and oil hydraulic machinery
 - 844 Hydraulic fluids
 - Hydraulic powerplants
 - Cf. TK1081+ Hydroelectric plants
 - Cf. TK1421+ Hydroelectric plants, by place
 - (845) General works
 - see TC147
 - 847 Sluices, gates, etc.
 - 849 Penstocks and pipelines
 - 851 Wasteways, etc.
 - Fluidics and fluidic devices
 - 853 General works
 - 853.4.A-Z Special topics, A-Z
 - 853.4.M53 Microfluidics and microfluidic devices
 - Including nanofluids
 - 853.4.O68 Optofluidics
 - Hydraulic motors
 - 855 General works
 - 857 General special
 - Including regulators, etc.
 - 859 Water mills
 - Water wheels
 - 860 General works
 - 862 Overshot
 - 864 Undershot

| | |
|-------|---|
| | Hydraulic machinery |
| | Water wheels -- Continued |
| 866 | Tangential (Pelton, etc.) |
| | Turbines |
| | Cf. TJ735+ Steam turbines |
| 870 | General works |
| 873 | General special |
| 875 | Special types |
| 880 | Hydraulic brakes |
| 890 | Water-pressure engines |
| | Conveying of gases, liquids and solids by means of steam, air, or water |
| 898 | General works |
| 898.5 | Coal slurry pipelines |
| | Cf. TJ1405 Coal-handling machinery |
| | Pumps and pumping engines |
| | Cf. TC929 Irrigation pumps |
| 899 | Periodicals, societies, etc. |
| 899.5 | Congresses |
| 899.7 | Dictionaries and encyclopedias |
| 900 | General works |
| 901 | General special |
| | Including ancient and primitive pumps |
| 902 | Catalogs |
| | Cf. TH6529 Water-supply fittings |
| 902.5 | Standards. Specifications |
| 903 | Hand pumps |
| | Cf. TH9363 Fire pumps |
| 905 | Hydraulic rams |
| | Steam pumps |
| 906 | General works |
| 908 | Catalogs, etc. |
| 910 | Electric pumping machinery |
| 912 | Solar pumps |
| 915 | Piston pumps. Reciprocating pumps |
| 916 | Metering pumps |
| 917 | Rotary pumps |
| 919 | Centrifugal pumps (Kreiselpumpen) |
| 921 | Pulsometers, steam syphons, etc. |
| 925 | Pumping by compressed air. Airlift pumps |
| 926 | Wind pumps |
| 927 | Submersible pumps |
| | Fire engines see TH9371+ |
| | Pipelines (General) |
| | Cf. TA660.P55 Structural engineering |
| | Cf. TC1800 Ocean engineering |
| | Cf. TJ898.5 Coal slurry pipelines |
| | Cf. TN879.5+ Petroleum pipelines |
| | Cf. TN880.5 Natural gas pipelines |
| 930 | General works |
| 930.5 | Supports |
| 933 | Equipment and supplies |
| | Including catalogs |
| 934 | Double wall piping |
| 935 | Flow of fluids in pipes. Flowmeters |
| | Cf. TC174 Flow of water in pipes |
| | Vacuum technology |

- Vacuum technology -- Continued
- 940 General works
- 940.5 Vacuum pumps
- Pneumatic machinery
- 950 General works
- Airbrakes see TF420+
- 955 Air pumps
- Blowers and fans. Exhausters
 - Cf. TH7683.A+ Ventilation fixtures
- 960 General works
- 963 Piston blowers. Blast engines
- 966 Rotary blowers
- 969 Centrifugal blowers
- Compressed air
- 981 Periodicals, societies, etc.
- 985 General works
- Air compressors
- 990 General works
- 992 Catalogs and trade publications
- 1000 Distribution and transmission
- Pneumatic tools
- 1005 General works
- 1007 Catalogs
- 1009 Sandblast
 - Cf. TP864 Glasswork
- 1015 Pneumatic tubes and carriers
- Flow of gases in pipes. Air meters
- 1025 General works
- 1030 Air jets
- Machinery exclusive of prime movers
 - Including millwork, e.g., the shafting, gearing and other driving machinery of mills and factories
 - For mills of specific places see TS21+
 - Cf. TS191.3 Installation and maintenance of factory machinery
- 1040 General works
- Power and power transmission
- 1045 General works
- 1049 General special
- 1051 Power transmission machinery
 - Including catalogs
- 1053 Measurement of power. Dynamometers
- 1053.5 Torquemeters
- 1054 Speed and revolution indicators
- 1055 Regulation and control of power. Governors
 - For steam engine governors see TJ550+
- 1057 Shafting
- 1057.4 Axles
 - Cf. TF386 Rail car axles
 - Cf. TF949.A9 Electric railway car axles
 - Cf. TL683.A8 Airplane axles
- 1058 Rotors
- 1059 Universal joints

Machinery exclusive of prime movers -- Continued

- 1060 Brakes
 Cf. TF415+ Railroad brakes
 Cf. TF949.B7 Electric railway brakes
 Cf. TJ669.B7 Locomotive brakes
 Cf. TJ880 Hydraulic brakes
 Cf. TJ1377 Elevator brakes
 Cf. TK4081 Electric brakes
 Cf. TL269+ Automobile brakes
 Cf. TL683.B7 Airplane brakes
- 1060.2 Shock absorbers
 Cf. TF393 Railroads
 Cf. TL257.5 Motor vehicles
 Cf. TL683.S4 Airplanes
- Bearings
 Cf. TA660.B45 Structural engineering
- General and metallic bearings
- 1061 General works
- 1063 Plain bearings. Journal bearings
- 1065 Pillow blocks, hangers, brackets
- 1067 Pivot bearings
- 1069 Collar bearings
- 1071 Antifriction devices. Ball and roller bearings
- Nonmetallic bearings
 Including special types of bearings
- 1072 General works
- 1073.A-Z Special materials, A-Z
- 1073.C45 Ceramic
- 1073.J4 Jewel
- 1073.P6 Plastic
- 1073.R8 Rubber
- 1073.W6 Wood
- 1073.5 Hydrodynamic and hydrostatic lubrication. Gas-lubricated bearings
- 1073.6 Oil mist lubrication
- 1073.7 Magnetic bearings
- 1074 Clutches. Friction clutches
 For automobile clutches see TL261
- Tribology. Lubrication and friction
- 1075.A2 Periodicals, societies, etc.
- 1075.A3-Z General works
- Lubricants
 Cf. TJ789 Lubrication of motors and engines
 Cf. TP669+ Oils, fats, etc.
- 1077 General works
- 1077.5 A-Z Special lubricants and methods, A-Z
- 1077.5 E43 Elastohydrodynamic lubrication
- 1078 Solid lubricants
- 1079 Oilfeeders, etc.
- 1081 Oil strainers, etc.
- 1095 Traction drives
- Belt gearing. Belt transmission
- 1100 General works
- 1103 Pulleys
- 1105 Belting
- 1107 Belt shifters, etc.
- 1115 Rope transmission

- Machinery exclusive of prime movers
 - Belt gearing. Belt transmission -- Continued
 - 1117 Chain gearing
 - 1119 Link belting
 - Toothed gearing see TJ184+
- Machine shops and machine shop practice
 - Cf. TS200+ Metal manufactures. Metal forming
 - 1125 General works
 - 1127 Film catalogs
 - Building and arrangement of machine shops
 - 1130 General works
 - 1133 Plans for buildings and shops
 - Management of machine shops
 - Drafting-room practice see TJ227+
 - 1135 General works
 - Accounting and bookkeeping see HF5686.M2
 - 1143 Production standards. Time and motion study
 - 1146 Cost of production
 - 1148 Estimating
 - Including estimates
 - 1150 Storerooms, stockrooms, supplies
 - Machine shop practice
 - 1160 General works
 - 1165 Machinists' manuals. Shop kinks, shop mathematics, repairing, etc.
 - 1166 Gages and gaging systems
 - 1167 General special
 - Including errors in workmanship, accuracy of fitting, etc.
 - 1170 Directories of dealers in machinery and supplies
 - Special companies (History, etc.) see TJ130.A+
 - 1175 Catalogs of machinery (General)
 - 1177 Safety appliances (General)
 - For safety appliances for special types of machinery, see the machinery, e. g. TS850
 - Woodworking
- Machine tools and machining
 - Including design, manufacture, and use
 - Cf. TS215 Use of metal working machinery (General)
 - 1180 Periodicals, societies, etc.
 - 1183 Dictionaries and encyclopedias
 - 1185 General works
 - 1185.5 Automatic lines, indexing tables, transfer machines
 - 1186 Cutting tools
 - Class here drill bits, milling cutters, reamers, broaches, etc., treated collectively
 - For cutting tools treated individually, see the special numbers, e. g. TJ1263 Drills; TJ1270
 - Reamers
 - 1187 Jigs and fixtures
 - 1187.4 Spindles
 - 1188 Machine tool drives
 - For electric drives, see TK4059.M32
 - 1189 Numerical control of machine tools
 - For numerical control of special types of machinery, see the machinery, e. g. TJ1225 Milling machines
 - 1190 Catalogs
 - 1191 Special types of machining
 - Including electric spark, ultrasonic, etc.
 - 1191.5 Micromachining
 - Materials used in machine and hand tools

- Machine shops and machine shop practice
- Machine tools and machining
 - Materials used in machine and hand tools -- Continued
- 1192 General works
- Special materials
- 1193 Diamonds and other precious stones
- 1194 Plastics. Other materials (not A-Z)
- Handtools
 - Cf. TH5618 Carpentry tools
 - Cf. TL1098 Space tools
 - Cf. TT186 Woodworking tools
- 1195 General works
- 1200 Catalogs
- 1201.A-Z Special handtools, A-Z
- 1201.A9 Axes
- Files see TJ1285
- 1201.H3 Hammers
- 1201.N8 Nut runners and setters
- 1201.P55 Planes
- Pliers see TJ1201.T64
- Saws see TJ1235
- 1201.S3 Scrapers
- 1201.S34 Screwdrivers
- Shears see TJ1240
- 1201.S68 Squares
- 1201.T64 Tongs. Pliers
- 1201.V5 Vises
- 1201.W44 Wedges
- 1201.W8 Wrenches
- Special tools
- Planing machines
 - General works
- 1205 Planers
- 1206 Shapers. Routing tools
- 1208 Cf. TT203.5 Woodworking
- 1210 Slotting and grooving machines
- Turning machines. Screw machines
 - Cf. TT207 Metal turning
- 1215 General works
- Lathes
 - General works
- 1218 Chucks
- 1219 Boring attachments
- 1220 Screw-cutting machines
- 1222 Milling machines
 - For gear cutting machinery see TJ187
- 1225 General works
- 1227 Milling cutters
- Cutting and sawing machinery
 - Cf. TK4660.5 Electric cutting machinery
- 1230 General works
- Saws
 - For sawmill machinery see TS850
- 1233 General works
- 1235 Saw filing
 - Cf. TJ1285 Files and filing

| | |
|--------|--|
| | Machine shops and machine shop practice |
| | Machine tools and machining |
| | Special tools |
| | Cutting and sawing machinery |
| | Saws -- Continued |
| 1237 | Saw sets |
| 1240 | Shears |
| | Perforating machinery |
| 1250 | General works |
| | Punching machinery |
| | Cf. TS253 Punch and die work; press tool work |
| 1255 | General works |
| 1257 | Multiple punches |
| | Drilling machinery |
| 1260 | General works |
| | Drills |
| | Including making and tempering |
| 1263 | General works |
| 1265 | Catalogs |
| 1270 | Reamers |
| | Abrading machinery. Grinding, lapping, etc. Sharpening |
| | Cf. TS654.5 Electrolytic polishing |
| 1280 | General works |
| 1285 | Files and filing |
| | Cf. TJ1235 Saw filing |
| 1287 | Catalogs |
| 1290 | Emery wheels |
| 1293 | Grindstones |
| | Abrasives and polishes |
| 1296 | General works |
| 1298 | Carborundum. Silicon carbide |
| 1300 | Bending machines |
| | Including straightening and shaping |
| | Hammers. Steam hammers. Power hammers, etc. |
| 1305 | General works |
| 1310 | Riveting machines |
| 1313 | Measuring tools, rules, calipers, etc. |
| 1315 | Bench work and fitting |
| | Assembling machines |
| 1317 | General works |
| 1317.5 | Orienting mechanisms |
| | Fasteners |
| | Cf. TA492.A+ Special forms in metal |
| 1320 | General works |
| 1325 | Rivets |
| 1327 | Retaining rings |
| 1328 | Pins |
| 1329 | Keys and keyways. Splines |
| | Bolts and nuts |
| 1330 | General works |
| 1333 | Bolt cutters |
| 1335 | Taps and dies |
| | Screws and screw threads |
| 1338 | General works |
| 1340 | Standards |
| | Screw-cutting machines see TJ1222 |

- Machine shops and machine shop practice -- Continued
- 1345 Crushing and milling machinery
 Cf. TE239 Stonecrushers for road material
 Cf. TJ1225+ Milling machines
 Cf. TJ1280+ Abrading machinery
 Cf. TN496+ Ore-dressing, etc.
 Cf. TP937.5 Paint machinery
 Cf. TS2120+ Flour mills, etc.
- Hoisting and conveying machinery
 Cf. TS180.3 Materials handling machinery
- 1350.A1 Periodicals, societies, etc.
- 1350.A2-Z General works
- 1353 Catalogs
- 1355 Excavators
 Cf. TA735+ Excavating machinery (Operation and use)
- Hoisting machinery
 Cf. TJ793.3 Internal combustion engines for hoisting machinery
- 1357 Blocks and falls
- 1359 Chain blocks
- 1360 Vacuum lifters
- 1361 Shear legs, etc.
- 1362 Winches
 Cranes and derricks
 General works
- 1363 Travelling cranes
- 1365 Lifting magnets
- 1366 Details of construction
 Including girders and beams
- Elevators
 General works
- 1370 Specifications
- 1372 Electric elevators
- 1374 Hydraulic elevators
- 1375 Escalators
- 1376 Brakes and safety devices
- 1377 Elevator service in buildings
- 1380 Dumbwaiters
- 1382 Hoists
 For ashes, etc.
- 1383 Conveying machinery
 Cableways. Telferage. Wire rope transportation
- 1385 General works
- 1386 Aerial tramways
 Cf. TN332 Mining
- 1387 Electric telfer systems
- Conveyors, belts, etc., for assembly line production. Endless carriers
- 1390 General works
- 1395 Catalogs
- 1398 Conveyors, chutes, etc., for letters, parcels, cash, etc.
- 1400 Passenger conveyors
- 1405 Coal-handling machinery
 Cf. TF294 Locomotive coaling plants
 Cf. TH4471 Coal-handling plants
 Cf. TJ898.5 Coal slurry pipelines
 Cf. TN815 Mining
- 1410 Ash-handling machinery

- Hoisting and conveying machinery
 - Conveying machinery -- Continued
 - Grain-handling machinery
 - Cf. TH4461 Grain elevators
- 1415 General works
- 1417 Special systems, companies, etc.
- 1418 Dumping devices
- Lifting and pressing machinery
 - 1425 General works
 - 1428 Inclined planes
 - Lifting jacks
 - 1430 General works
 - 1433 Screwjack
 - 1435 Hydraulic jack
 - Presses
 - 1450 General works
 - 1452 Catalogs
 - 1455 Screw press
 - 1460 Hydraulic presses
 - 1465 Pneumatic presses
 - Filter presses
 - 1470 General works
 - 1475 Catalogs
- Agricultural machinery. Farm machinery
 - Cf. S671+ Utilization of agricultural machines
 - Cf. S675.5 Maintenance and repair
 - Cf. S677 Catalogs
- 1480.A1 Periodicals, societies, etc.
- 1480.A2-Z General works
- 1482 Soil working machines: plows, harrows, cultivators, etc.
- 1483 Seeders, planters, etc.
- 1484 Machines for caring for plants
- 1485 Harvesters, reapers, etc.
- 1486 Threshing machines. Combines
- 1486.5 Lumbering machinery
- 1487 Other
 - Farm gas engines see TJ777.F3
 - Farm steam engines see TJ712
 - Gasoline tractors see TL233+
 - Pumps and pumping engines see TJ899+
 - Trucks see TL230+
- 1495.A-Z By region or country, A-Z
- 1496.A-Z By company, A-Z
- Sewing machines
 - Cf. TT713 Sewing machine work
- 1501 Periodicals, societies, etc.
- Exhibitions
 - 1503.A1 General works
 - 1503.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 1504 Dictionaries and encyclopedias
- 1505 Directories
- 1507 History
- 1510 General works
- 1512 Patents
- 1513 General special

- Sewing machines -- Continued
- 1515 Manuals of instruction for users
- 1519 Trade catalogs
- Other special machinery
- 1530 Goffering machines
- 1535 Winding machines
- 1540 Screening machinery
- (1545) Packaging machinery
- see TS196.4
- 1550 Wrapping machines
- 1555 Sorting devices
- Coin operated machines
- 1557 General works
- 1560 Vending machines
- 1570 Amusement machines

Electrical engineering. Electronics. Nuclear engineering

For electricity in general see QC501+

For works combining mechanical and electrical engineering see TJ163+

For production of electric energy see TK1001+

For dynamoelectric machinery and auxiliaries see TK2000+

For distribution or transmission of electric power see TK3001+

Periodicals and societies

Arrange by language of publication

1.A1 International or polyglot

1.A3-Z English

2 French

3 German

4 Other languages (not A-Z)

5 Congresses

Exhibitions. Museums

For telegraphic exhibitions see TK5107.5.A1+

6.A1 General works

6.A2-Z By region or country, A-Z

Subarrange each country by Table T4b

7 Collected works (nonserial)

9 Dictionaries and encyclopedias

Cf. QC505 Electrical dictionaries

11 Electrotechnical readers

12 Directories of electrical industries

For central station directories see TK1194

(13) Yearbooks

see TK1+

History

15 General works

16 Early to 1830

17 Nineteenth century, 1830-1880

18 1880-

21-127 Country divisions (Table T1a)

Add country number in table to TK0

Including general reports of government bureaus

Biography

139 Collective

140.A-Z Individual, A-Z

General works

143 Before 1830

144 1830-1870

145 1870-

146 Elementary textbooks

147 Laboratory manuals, outlines, syllabi, etc.

For standardizing see TK275+

For testing see TK401

148 Juvenile works. Popular works

For amateur's handbooks see TK9900+

151 Pocketbooks, tables, etc.

152 Safety measures (General)

153 General special

Including electromechanical transducers

155 Addresses, essays, lectures

159 Electrical engineering as a profession

For electrical engineering (Biography) see TK139+

Study and teaching

| | |
|-----------|--|
| | Study and teaching -- Continued |
| 165 | General works |
| 168 | Problems, exercises, etc. |
| 169 | Examinations, questions, etc. |
| | America |
| 171 | General works |
| | United States |
| 173 | General works |
| 174.A-.W | States, A-W |
| 175.A-Z | Cities, A-Z |
| | Canada |
| 176 | General works |
| 177.A-Z | Special provinces, A-Z |
| 178.A-Z | Special cities, A-Z |
| 179 | Latin America |
| 180 | Mexico |
| | Central America |
| 182 | General works |
| 183.A-Z | Special countries, A-Z |
| | West Indies |
| 185 | General works |
| 186.A-Z | Special islands, A-Z |
| | South America |
| 188 | General works |
| 189.A-Z | Special countries, A-Z |
| | Europe |
| 191 | General works |
| 192.A-Z | Special countries, A-Z |
| | Asia |
| 194 | General works |
| 195.A-Z | Special countries, A-Z |
| | Africa |
| 197 | General works |
| 199.A-Z | Special countries, A-Z |
| | Australia |
| 201 | General works |
| 202.A-Z | Special states, A-Z |
| 203 | New Zealand |
| | Pacific islands |
| 204 | General works |
| 205.A-Z | Special islands, A-Z |
| | Special schools |
| | United States |
| 210.A-Z | By school, A-Z |
| 211.A-Z | Correspondence schools, A-Z |
| 213.A-Z | Other countries. By school, A-Z |
| (215-255) | Laws and legislation relating to applications of electricity |
| | see class K |
| 257 | Patents |
| 260 | Insurance requirements |
| | Cf. TK3275 Wiring |

- Electric standards and measurements
 - Class here works of a practical nature
 - For standards of special machinery or material, see the subject, e.g. TK2311 Dynamoelectric machinery; TK3307 Wire and cable
 - For works on the theory, experimental aspects and study of electrical measurements see QC535+
 - For testing of electric machinery see TK401
 - Cf. TK425 Specifications
- 275 General works
- 277 General special
- Electric meters
- 301 General treatises
- General catalogs
- 308 Manufacturers' catalogs
- 309 Supply companies' catalogs
- Meters for special measurements
- 311 Resistance meters and measurements
 - Including galvanometers, ohmmeters, resistance boxes, Wheatstone's bridge, shunts
- 315 Impedance meters and measurements
- 321 Potential and voltage meters and measurements
 - Including voltmeters, voltage detectors
- 325 Voltohmmeters
 - For combined works on voltohmmeters and vacuum tube voltmeters see TK7879.2
- 331 Intensity and current meters and measurements
 - Including ammeters, coulometers, ampere-hour meters, voltmeters
- 335 Capacitance meters and measurements
- 341 Quantity meters and measurements
 - Including wattmeters
- 351 Energy and power meters and measurements
 - Including watt-hour meters, power factor meters
- 381 Other meters and measurements
 - Including frequency meters and measurements, oscillographs, phase meters, synchronizers
- 393 Recording meters (General). Process recorders
 - For special types see TK311+
- 396 Prepayment meters
- 399 Telemeter systems
- 401 Testing of electric machinery and appliances (General)
 - For the testing of special machinery or appliances, see the special subject, e.g. TK2316 Machinery testing
 - Cf. TK147 Laboratory manuals
 - Cf. TK275+ Electric measurement
- Electrical engineering and testing laboratories
- 411 General works
- 415.A-Z Special laboratories, A-Z
- 425 Specifications (General)
 - For specifications for special machinery, etc., see the special subject, e.g. TK2321 Dynamoelectric machinery
- 431 Drawings
- 435 Estimates
- Management and superintendence of electrical enterprises
 - Cf. TK1811 Management of electric power plant central stations
- 441 General works
- 445 Business getting. Soliciting
- Interconnection of power systems
- 447 General works
- 448 Automation

- General electrical manufacturing and engineering companies
 - For economic aspects see HD9685.A1+
- 451.A2 Collective
- 451.A3-Z Individual, A-Z
- Electric apparatus and materials
- 452 General works
- 453 Materials (General)
- Electric circuits
 - Cf. TK3226 Electric-power circuits
- 454 General works
- 454.15.A-Z Special circuits, A-Z
- 454.15.A48 Alternating current
- 454.15.D57 Direct current
- 454.15.E65 Equivalent
- 454.15.P37 Parallel
- 454.15.S47 Series
- 454.2 Electric networks
 - Cf. TK3226 Electric-power networks
- 454.4.A-Z Special, A-Z
- 454.4.C6 Copper
- 454.4.E5 Electromagnets
- 454.4.E9 Explosionproof apparatus
- Insulation and insulating materials see TK3401+
- 454.4.L3 Laminated metals
- 454.4.M3 Magnetic materials
- 454.4.M33 Magnetic shielding
- Meters see TK301+
- Microelectromechanical systems see TK7875
- 454.4.P5 Phosphors
- 454.4.P55 Plastics
 - Cf. TK3441.P55 Plastics (Insulation)
- 454.4.P7 Protective coatings
- 454.4.S7 Steel
- 454.4.S93 Superconductors
 - Cf. TK7872.S8 Superconductors (Electronics)
- 454.4.T3 Talc
- 455 Catalogs of electric machinery and supplies
- Theory
 - (500) Theory (General)
 - see TK143+
 - Theory of dynamoelectric machinery see TK2211
 - Theory of direct-current machinery see TK2615
 - Theory of alternating-current machinery see TK2715
 - Theory of the line see TK3226
 - Special
 - 531 Current and voltage waveforms
 - 541 Resonance in electrical engineering
- Production of electric energy or power
 - For powerplants see TK1191+
 - For dynamoelectric machinery (General) see TK2000+
 - For distribution of electric power see TK3001+
- 1001 General works
- 1005 General special
- 1006 Distributed generation
 - Including small-scale power generation, metropolitan plants
- 1007 Electric power systems control

- Production of electric energy or power -- Continued
- 1010 Electric power system stability
 - Including quality control
- 1020 Emergency power supply
- 1025 Security measures
- Production from heat. Cogeneration of electric power and heat
 - Cf. TK2950+ Thermoelectricity (Applied)
- 1041 General works
- 1051 Production from steam (Coal)
- 1055 Production from geothermal energy
- 1056 Production from solar thermal energy
- 1061 Production from gas
- 1071 Production from other fuels
- 1073 Ocean thermal energy conversion
- 1075 Diesel engine electric plants
- 1076 Gas turbine power plants
- 1078 Production from atomic power
- Production from waterpower. Hydroelectric power production
 - For special countries and plants see TK1421+
- 1081 General works
- 1083 Pumped storage power plants
- Production from windpower see TK1541
- Direct production from chemical action see TK2901+
- Production from solar energy
 - General works
- 1085
- 1087 Photovoltaic power generation. Photovoltaic power systems
 - Including building-integrated photovoltaic systems
 - Cf. TK2960 Solar batteries. Solar cells
 - Cf. TK8322 Photovoltaic cells
- Production from solar thermal energy see TK1056
- Production classified by character of the electric current
 - For distribution of electric energy (classified by character of the electric current) see TK3101+
- General works see TK1001+
- Direct-current engineering
 - Cf. TK2611+ Direct-current dynamoelectric machinery
- 1111 General works
- 1121 Edison three-wire system
- Alternating-current engineering
 - Cf. TK2711+ Alternating-current machinery
- 1141 General works
- 1145 Single-phase currents
- 1151 Two-phase currents
- Polyphase currents
 - Cf. TK2745+ Polyphase-current machinery
- 1161 General works
- 1165 Three-phase currents
- 1168 Multiphase currents
- Electric power plants (General)
 - Including light and powerplants
 - For special types see TK1001+
 - For dynamoelectric machinery and auxiliaries see TK2000+
 - For central stations wiring see TK3281
 - For electric lighting stations see TK4201+
 - For telegraph power production see TK5371
 - For telephone power production see TK6271+
 - Cf. TH4581+ Construction of powerplants

- Production of electric energy or power
 Electric power plants (General) -- Continued
- 1191 General works
 1193 Special regions or countries, A-Z
 1194 Directories
 Cf. TK12 Directories of electrical industries
- Special
- 1221-1327 Power plants utilizing heat energy (Table T1a)
 Add country number in table to TK1200
 Cf. TK1041+ Production of electric energy from heat
 Power plants utilizing nuclear power
 Cf. TK1078 Production of electric energy from nuclear power
- America
- 1341 General works
 United States
- 1343 General works
 1344.A-.W States, A-W
 1345.A-Z Cities, A-Z
 Canada
- 1346 General works
 1347.A-Z Special provinces, A-Z
 1348.A-Z Special cities, A-Z
 1349 Latin America
 1350 Mexico
 Central America
- 1352 General works
 1353.A-Z Special countries, A-Z
 West Indies
- 1355 General works
 1356.A-Z Special islands, A-Z
 South America
- 1358 General works
 1359.A-Z Special countries, A-Z
- Europe
- 1361 General works
 1362.A-Z Special countries, A-Z
- Asia
- 1364 General works
 1365.A-Z Special countries, A-Z
- Africa
- 1367 General works
 1369.A-Z Special countries, A-Z
- Australia
- 1371 General works
 1372.A-Z Special states, A-Z
 1373 New Zealand
 Pacific islands
- 1374 General works
 1375.A-Z Special islands, A-Z
- 1421-1527 Power plants utilizing waterpower (Table T1a)
 Add country number in table to TK1400
 Cf. TK1081+ Production of electric energy from waterpower
- 1541 Power plants utilizing wind
 Power plants utilizing both heat and waterpower see TK1221+
- 1545 Power plants utilizing solar energy
 Cf. TK1056 Production of electric power from solar thermal energy

- Production of electric energy or power
 - Electric power plants (General)
 - Special -- Continued
 - 1560 Power plants utilizing other power
 - 1751 Substations
 - 1811 Central station management
 - For machine operators' manuals see TK2184
 - For electric lighting (Central station management) see TK4238
 - 1831 Central station testing
 - Cf. TK2316 Testing of dynamoelectric machinery
 - 1841 Electric power rates
 - Cf. HD9685.A1+ Economic aspects
 - Cf. TK21+ Special places
 - Dynamoelectric machinery and auxiliaries
 - Including motive power, machinery and auxiliaries
 - For production of electric energy see TK1001+
 - For powerplants see TK1191+
 - For auxiliaries (General) see TK2811+
 - 2000 General works
 - Dynamoelectric machinery
 - Including both direct and alternating-current generators, motors, etc.
 - 2081 Special motive power and driving apparatus for dynamoelectric machinery
 - General works
 - 2181 Treatises
 - 2182 Elementary textbooks
 - 2184 Operators' manuals
 - Amateurs' handbooks of generator and motor construction see TK9911
 - 2189 General special
 - 2211 Theory
 - For theory of direct-current machinery see TK2615
 - For theory of alternating-current machinery see TK2715
 - 2271 Eddy currents in electrical engineering
 - 2281 Commutation and brush resistance
 - Cf. TK2481 Commutation
 - 2311 Standards
 - 2313 Monitoring
 - 2316 Testing
 - For central station testing see TK1831
 - For generators and motors see TK2433
 - For direct-current machinery see TK2623
 - For alternating-current machinery see TK2723
 - 2321 Specifications
 - 2325 Machine drawing for electrical engineers
 - 2331 Design and construction
 - For generators and motors see TK2435
 - For direct-current machinery see TK2625
 - For alternating-current machinery see TK2725
 - 2341 Types of dynamoelectric machinery
 - For generators see TK2441+
 - For motors see TK2537
 - For direct-current machinery see TK2631
 - For alternating-current machinery see TK2731
 - 2391 General special
 - Including automata, coils, etc.

Dynamoelectric machinery and auxiliaries

Dynamoelectric machinery -- Continued

Generators (General) (D.C. and A.C.). Dynamos

Including works treating of both generators and motors

For direct-current generators see TK2661+

For alternating-current generators see TK2761+

For machinery for electric lighting see TK4241

For amateurs' handbooks of generator construction see TK9911

2411

General works

2433

Testing of generators and motors

2435

Design and construction of generators and motors

For design of details see TK2451+

For design of direct-current generators see TK2625

For design of alternating-current generators see TK2761+

Types of generators

For direct-current generators see TK2665

For alternating-current generators see TK2765

2441

General works

2448

Variable speed generators

Details

2451

General works

Special

Mechanical details

2456

General works

2458.A-Z

Special, A-Z

2458.B4

Bearings

2458.F68

Foundation

2458.S5

Shafting

Magnetic details

2461

General works

Special

2464

Field yoke

2465

Field poles

2466

Field shoes

Electrical details

2471

General works

Special

Winding

2474

General works

2475

Field winding and spools

2477

Armature winding and armatures

2481

Commutators and collectors

For commutation see TK2281

2484

Brush holders and brushes

2487

Shunts. Leads

2488

Terminals

2491

General special

Motors (General) (D.C. and A.C.)

For works treating of generators and motors together see TK2411+

For direct-current motors see TK2681

For alternating-current motors see TK2781+

For use of electric motors see TK4055+

2511

Treatises

2514

Elementary textbooks

(2535)

Amateurs' handbooks

see TK9911

Dynamoelectric machinery and auxiliaries

Dynamoelectric machinery

Motors (General) (D.C. and A.C.) -- Continued

2537

Types

For railway motors see TF935

2541

Details

For details in common with generators see TK2451+

2551

Transforming machinery (D.C. and A.C.)

For direct-current transforming machinery see TK2691+

For alternating-current transforming machinery see TK2791+

For amateurs' handbooks of transformer construction see TK9915

Direct-current machinery

For direct-current engineering see TK1111+

General works

2611

Treatises

2612

Textbooks

2615

Theory

Including short-circuited currents in armatures

2623

Testing of D.C. machinery

2625

Design and construction

2631

Types

Details see TK2451+

2644

General special

Special direct-current machinery

Direct-current generators

2661

General works

Design see TK2625

2665

Types

Including constant-potential generators, low voltage generators, constant-current generators, commutation pole generators

Details see TK2451+

2681

Direct-current motors

Direct-current transforming machinery

2691

General works

Special

2692

Inverters

2693

Dynamotors

2695

Motor generators

2697

Boosters

2699

Other direct-current machinery

Alternating-current machinery

Cf. TK1141+ Alternating-current engineering

General works

2711

Treatises

2712

Textbooks

2715

Technique of alternating-current machinery

Including "hunting" fields, parallel driving

2723

Testing of alternating-current machinery

2725

Design and construction

2731

Types of alternating-current machinery

Including synchronous, polyphase, etc.

Details see TK2451+

2744

General special

Special classes of alternating-current machinery

2745

Polyphase-current machinery

For polyphase currents see TK1161+

- Dynamoelectric machinery and auxiliaries
 - Dynamoelectric machinery
 - Alternating-current machinery
 - Special classes of alternating-current machinery -- Continued
 - Alternating-current generators
 - 2761 General works
 - 2765 Types
 - Alternating-current motors
 - 2781 General works
 - Types
 - 2785 Induction, asynchronous and polyphase motors. Squirrel-cage motors
 - Starting compensators see TK2851
 - 2787 Synchronous motors
 - 2789 Repulsion motors. Repulsion induction motors. Commutator motors. Series-wound motors
 - Alternating-current transforming machinery
 - D.C. to A.C. transforming machinery
 - 2791 General works
 - A.C. transformers. Autotransformers or compensators. "Current" transformers
 - 2792 General works
 - 2794 Types
 - A.C. to D.C. transforming machinery
 - 2795 General works
 - 2796 Converters. Rotaries
 - 2797 Motor-generator sets (A.C. synchronous or induction motors)
 - Including cascade converters (i.e. induction motor-dynamo; secondary winding of motor and armature of generator in cascade)
 - 2798 Other A.C. to D.C. transformers. Aluminum cells
 - Cf. TK7871.7+ Electron tubes
 - 2799 Other alternating-current machinery
 - Including frequency converters
- 2805 Condensers
- Apparatus auxiliary to dynamoelectric machinery
 - 2811 General works
 - Switchboards and accessories
 - Including switchboard meters, switches, rheostats
 - For switchboards for electric power for telephones see TK6271+
 - For switchboards for telephone line connections see TK6391+
 - 2821 General works
 - 2822 Direct current
 - Alternating current
 - 2825 General works
 - 2826 Low tension A.C.
 - 2828 High tension A.C.
 - 2831 Switches
 - Circuit breakers and fuses
 - 2841 General works
 - 2842 Circuit breakers
 - 2846 Fuses and "Cutouts"
 - For fuses (General) see TK3511
 - 2851 Rheostats. Regulators. Controllers. Starters
 - For controllers or starters for electric cars see TF930
 - 2861 Relays
 - 2891 Accumulators in central stations
- Devices for production of electricity by direct energy conversion
 - Cf. TL783.54+ Rocket engine propulsion

Devices for production of electricity by direct energy conversion -- Continued

- 2896 General works
- 2897 Energy harvesters
 - Including microharvesters
- Production of electricity directly from chemical action
- 2901 General works
 - Special apparatus
 - For amateurs' manuals see TK9917
- 2921 Primary cells
 - For special types see TK2945.A+
- Fuel cells
 - 2931 General works
 - 2933.A-Z Special devices, A-Z
 - 2933.D57 Direct methanol fuel cells
 - 2933.M65 Molten carbonate fuel cells
 - 2933.P76 Proton exchange membrane fuel cells
 - 2933.S65 Solid oxide fuel cells
- 2941 Storage batteries. Rechargeable batteries. Secondary cells
 - For accumulators in central stations see TK2891
 - For special types see TK2945.A+
- 2942 Solid state batteries
- 2943 Battery chargers
- 2945.A-Z Other special batteries or energy storage materials, A-Z
 - 2945.C37 Carbon
 - 2945.E44 Electrodes
 - 2945.F56 Flow batteries
 - Fuel cells see TK2931+
 - 2945.L42 Lead-acid
 - 2945.L58 Lithium
 - 2945.N52 Nickel-cadmium
 - 2945.N53 Nickel-hydrogen
 - 2945.S63 Sodium-sulfur
 - Solid state batteries see TK2942
 - Thermal batteries see TK2953
- 2945.Z55 Zinc
- Thermoelectricity (Applied)
- 2950 General works
 - Special apparatus
- 2953 Thermal batteries
- 2955 Thermionic converters
- 2960 Solar batteries. Solar cells
 - Cf. TJ812.5 Solar engines
 - Cf. TK1056 Production of electric power from solar thermal energy
 - Cf. TK1087 Photovoltaic power generation. Photovoltaic power systems
 - Cf. TK8322 Photovoltaic cells
 - Cf. TK9918 Amateur construction
 - Cf. TL1100+ Electric equipment on space vehicles
- 2965 Atomic batteries. Isotopic power generators
- 2970 Magnetohydrodynamic generators
 - Cf. TL783.6 Plasma rockets
 - Cf. TL1102.G4 Generators
- 2975 Electrohydrodynamic generators
- Electric energy storage
 - Cf. TK1081+ Pumped storage power plants
 - Cf. TK2805 Condensers
 - Cf. TK2891 Storage batteries

- Devices for production of electricity by direct energy conversion
- Electric energy storage -- Continued
- 2980 General works
- 2985 Magnetic energy storage
- 2986 Pulsed power systems
- Distribution or transmission of electric power
 - Including the electric-power circuit
 - Cf. TK1001+ Production of electric energy
- 3001 General works
- 3070 Automatic control
 - For smart power grids see TK3105
- 3081 Testing of distribution systems
 - For the line and component parts see TK3207
- 3084 Earthquake effects
- 3085 Lightning protection
- 3088 Wireless power transmission
- 3091 General special
- Systems
 - For overhead and underground systems see TK3221+
 - For electric lighting (Systems) see TK4303+
- 3101 General works. Tapping of line for various uses
- 3105 Smart power grids
- 3107 Transformation of electricity (General)
 - For transforming machinery see TK2551
- 3111 Direct-current systems
 - Cf. TK1111+ Direct-current engineering
- Alternating-current systems
 - Cf. TK1141+ Alternating-current engineering
- 3141 General works
- 3142 Low tension A.C. systems (to 500 volts)
- 3143 Medium tension A.C. systems (500-10,000 volts)
- 3144 High tension A.C. systems (above 10,000 volts)
- 3148 Flexible AC transmission systems
- 3151 Single-phase current systems
- 3153 Two-phase current systems
- Polyphase current systems
 - 3155 General works
 - 3156 Three-phase current systems
 - 3158 Multiphase current systems
 - 3159 Polycyclic systems
 - Class here combinations of single and two-phase currents transmitted over single line and used as single and two-phase current at point of application
- 3171 Composite systems (A.C. and D.C.)
- Wiring
 - Including central station, line and user's plant
 - For special wiring, see the subject, e.g. TK4255, Electric lighting; TK5441, Telegraph; TK6341 Telephone
 - For the line (General) see TK3221+
- 3201 General works
- 3205 Pocketbooks, tables, diagrams, etc.
 - For tables of properties and dimensions of wire see TK3305
- 3207 Testing of line and component parts
 - For distribution system testing see TK3081
 - For wire see TK3307
- 3211 General special
- The line

Distribution or transmission of electric power

Wiring

The line -- Continued

3221

General works

3226

Technique of the line. Electric-power circuits and networks

Including induction capacity, etc., of parallel lines, heat losses of overhead lines and underground lines

Cf. TK454+ Electric circuits (Apparatus)

Cf. TK454.2 Electric networks (Apparatus)

Cf. TK7872.T74 Electronic circuits

3227

Grounding

Aerial or overhead lines and component parts

For telegraph overhead lines see TK5452+

For telephone overhead lines see TK6352

3231

General works

3239

Catalogs

Details

3242

Poles, crossarms and towers

3243

Pole supports

3246

Line insulators. Testing of insulators

Cf. TK3431 Testing of insulating material

3248

Lightning arresters (General)

Underground lines and component parts

For telegraph underground lines see TK5465+

For telephone underground lines see TK6365

3251

General works

3255

General special

Including electrolysis due to underground systems

Cf. TF912 Stray currents from electric traction

3258

Specifications

3261

Details

Including conduits, manholes

For cables see TK3351

Interior or indoor wiring

3271

General works

3275

Insurance underwriters' requirements

3278

Specifications

3281

Central station wiring

3283

Factory wiring

3284

Commercial building wiring

3285

House wiring

Conductors. Wires. Cables

For telegraph wire and cable see TK5481

For telephone wire and cable see TK6381+

3301

General works

3303

Juvenile works

3305

Tables of properties and dimensions of wire

Cf. TK3205 Pocketbooks of wiring

3307

Standards and testing of wire and cable

For testing of the line (General) see TK3207

3311.A-Z

Conductors, A-Z

3311.A6

Aluminum

3311.C6

Copper

3311.G3

Gases

3311.P6

Polymers

3321

Bare wires

| | |
|----------|--|
| | Distribution or transmission of electric power |
| | Conductors. Wires. Cables -- Continued |
| | Insulated wires |
| 3331 | General works |
| 3335 | Testing |
| | Cf. TK3431 Insulating material |
| 3351 | Cables |
| | For submarine cables see TK5661+ |
| | Insulation and insulating material |
| 3401 | General works |
| | Insulating material |
| 3421 | General works |
| 3431 | Testing |
| | For insulators see TK3246 |
| | For insulated wire and cables see TK3335 |
| 3441.A-Z | Special insulating materials, A-Z |
| 3441.C35 | Cellulose |
| 3441.C38 | Ceramics |
| 3441.E6 | Epoxy resins |
| 3441.F55 | Fluorine organic compounds |
| 3441.G3 | Gases |
| 3441.G5 | Glass |
| 3441.L5 | Liquids |
| 3441.M4 | Metallic oxides |
| 3441.O5 | Oil |
| 3441.P25 | Paper |
| 3441.P55 | Plastics |
| 3441.P58 | Polymers |
| 3441.S46 | Silicon nitride |
| 3441.S47 | Silicon organic compounds |
| 3441.S48 | Siloxanes |
| 3441.S5 | Slate |
| 3441.S8 | Sulfur hexafluoride |
| 3441.V3 | Varnish |
| | Other details |
| 3511 | Fuses (General) |
| | For fuses for switchboards see TK2846 |
| 3521 | Connectors |
| | Applications of electric power |
| 4001 | General works |
| | Electric railways see TF854.2+ |
| 4015 | General special |
| | Special applications |
| 4018 | Agriculture and the farm |
| | Cf. HD9688 Rural electrification |
| 4025 | School building equipment |
| 4035.A-Z | Other special, A-Z |
| 4035.A35 | Air conditioning |
| | Airplanes see TL690+ |
| 4035.A6 | Apartment houses |
| 4035.B83 | Building materials industry |
| 4035.C25 | Cement industries |
| 4035.C35 | Chemical laboratories |
| 4035.C37 | Chemical plants |
| 4035.C4 | Clothing factories |
| 4035.C47 | Clubhouses |

Applications of electric power

Special applications

Other special, A-Z -- Continued

- 4035.C6 Coke industry
- Commercial buildings see TK4035.M37
- 4035.F3 Factories (General)
- 4035.F6 Flour mills
- 4035.F67 Food industry
- 4035.H3 Harbors
- Health facilities and hospitals see RA969.48
- Heating (Building construction) see TH7409+
- Heating (Electrical engineering) see TK4601+
- 4035.H6 Hoisting machinery
- 4035.H9 Hydraulic structures
- 4035.K58 Knit goods industry
- 4035.L4 Leather industry
- 4035.M37 Mercantile buildings. Commercial buildings
- 4035.M4 Metallurgical plants
- 4035.M6 Motion picture theaters
- 4035.N6 Nonferrous metal industries
- 4035.O7 Ore-dressing plants
- 4035.P3 Paper industry
- 4035.P33 Peat industry
- 4035.P35 Petroleum engineering
- 4035.P53 Photographic equipment
- 4035.P55 Pipelines
- 4035.R3 Railroad repair shops
- 4035.R4 Refrigeration and refrigerating machinery
- 4035.R46 Restaurants
- 4035.R6 Rolling mills
- 4035.R82 Rubber industry
- 4035.S4 Service industries
- 4035.S5 Shipyards
- 4035.S7 Steelworks
- 4035.S9 Sugar factories
- 4035.T4 Textile factories

Mechanical applications of electric power

- 4050 General works
- Use of electric motors
- 4055 General works
- 4057 General special
 - Including motor repairers' manuals
 - Cf. TK3205 Wiring manuals, etc.
- Electric driving
- 4058 General works
- 4059.A-Z Special, A-Z
- 4059.C64 Compressors
- 4059.C65 Construction equipment
- 4059.C67 Conveying machinery
- 4059.D4 Deck machinery
- 4059.D73 Dredges
- 4059.E9 Excavating machinery
- 4059.F35 Fans
- 4059.H64 Hoisting machinery
- 4059.K55 Knitting machines
- 4059.M32 Machine tools

- Applications of electric power
 - Mechanical applications of electric power
 - Use of electric motors
 - Electric driving
 - Special, A-Z -- Continued
 - 4059.M55 Mining machinery
 - 4059.P74 Printing presses, machinery, etc.
 - 4059.P85 Pumping machinery
 - 4059.R64 Rolling mill machinery
 - 4059.S55 Sluice gates
 - 4059.T48 Textile machinery
 - 4059.T87 Turbomachines
 - 4059.W56 Winding machines
 - 4081 Electric brakes
 - Electric calculating machines
 - Class here also works that discuss both electric calculating machines and computers
 - For works on computers only see TK7885+
 - Cf. HF5679 Machine methods in accounting
 - Cf. QA71+ Calculating machines (Mathematics)
 - 4090 General works
 - Special machines
 - Accounting machines
 - General works
 - Special. By make, A-Z
 - e.g.
 - 4101.I5 International Business Machines Corporation
 - Billing machines
 - Electric lighting
 - Cf. TH7700+ Domestic illumination
 - Periodicals, societies, etc.
 - 4129 Dictionaries and encyclopedias
 - 4131 History
 - Special countries
 - Including annual reports of electric lighting departments
 - Cf. HD4486+ Municipal industries
 - Cf. TK4220+ Special plants
 - America
 - General works
 - United States
 - General works
 - States, A-W
 - Cities, A-Z
 - Canada
 - General works
 - Special provinces, A-Z
 - Mexico
 - Central America
 - General works
 - Special countries, A-Z
 - West Indies
 - General works
 - Special islands, A-Z
 - South America
 - General works
 - Special countries, A-Z
 - Europe

- Electric lighting
 - Special countries
 - Europe -- Continued
 - 4147 General works
 - 4148.A-Z Special countries, A-Z
 - Asia
 - 4149 General works
 - 4150.A-Z Special countries, A-Z
 - Africa
 - 4151 General works
 - 4152.A-Z Special countries, A-Z
 - Australia
 - 4153 General works
 - 4154.A-Z Special states, A-Z
 - 4154.5 New Zealand
 - Pacific islands
 - 4155 General works
 - 4156.A-Z Special islands, A-Z
 - General works
 - 4160 Early to 1870
 - 4161 1870-
 - 4162 Elementary textbooks
 - 4164 Electricians' manuals
 - 4166 Pocketbooks, tables, etc.
 - Wiring for electric lighting see TK4255
 - Amateurs' handbooks see TK9921
 - General special
 - 4169
 - Technique. Theory of electric lighting
 - 4175 Including candlepower, light distribution
 - Specifications
 - 4181 For incandescent lighting see TK4348
 - Management of electric lighting enterprises
 - 4186 For management of electric lighting plants see TK4238
 - Special aspects of electric lighting
 - 4188 Including city or metropolitan lighting, rural lighting, indirect lighting, lighting of roads
 - Lighting machinery and supplies
 - Including catalogs
 - Cf. TK455 Electric machinery and supplies
 - General works
 - 4195
 - Fixtures
 - 4198 For gas and electric fixtures combined see TH7960+
- Central stations for lighting
 - General works
 - 4201
 - General special
 - 4218
 - Special lighting plants
 - General works
 - 4219
 - Special lighting plants utilizing heat energy
 - 4220 United States
 - 4221 Canada
 - 4223.A-Z Other American countries, A-Z
 - 4224 Other (Asia, Africa, Australia, and Oceania)
 - Special lighting plants utilizing waterpower
 - 4225 United States
 - 4226 Canada
 - 4228.A-Z Other American countries, A-Z
 - 4229 Other (Asia, Africa, Australia, and Oceania)

- Electric lighting
 - Central stations for lighting
 - Special lighting plants -- Continued
 - Special lighting plants utilizing both heat and waterpower
 - 4230 United States
 - 4231 Canada
 - 4233.A-Z Other American countries, A-Z
 - 4234 Other (Asia, Africa, Australia, and Oceania)
 - 4237 Substations
 - 4238 Management of electric lighting plants
 - Cf. TK4186 Electric lighting enterprises
 - 4241 Machinery for electric lighting
 - For operators' manuals see TK2184
 - For electric generators see TK2411+
 - Distribution in electric lighting
 - 4251 General works
 - 4255 Wiring for electric lighting. Installation
 - For insurance underwriters' requirements see TK3275
 - For pocketbooks and tables for electric lighting see TK4166
 - Systems of electric lighting
 - General and miscellaneous, see TK4160+
 - 4303 Direct-current systems
 - 4304 Alternating-current systems
 - 4308 Composite systems (D.C. and A.C.)
 - 4310 Electric lamps (General)
 - Arc lighting
 - 4311 General works
 - 4319 General special
 - Arc lamps and systems
 - 4321 General works
 - 4322 Types. Open and enclosed arcs
 - Prefer TK4329
 - 4329.A-Z Special lamps and systems. By name, A-Z
 - Details
 - 4331 General works
 - 4335 Carbons
 - For manufacture of carbons see TK7725
 - Incandescent lighting
 - 4341 General works. Handbooks. Pocketbooks
 - 4348 Specifications
 - 4349 General special
 - Including safety measures
 - Incandescent lamps and special systems
 - 4351 General works
 - 4352 Types. Carbon and metal filament lamps
 - 4359.A-Z Special lamps and systems. By name, A-Z
 - 4359.H34 Halogen lamps
 - 4359.N47 Nernst lamps and systems
 - 4359.T9 Tungsten lamps
 - Details. Wall plugs, sockets, etc.
 - 4361 General works
 - 4365 Filaments
 - 4367 Tests of efficiency of incandescent lamps
 - Electric discharge lighting
 - Cf. TK4311+ Arc lighting
 - 4371 General works

- Electric lighting
 - Systems of electric lighting
 - Electric discharge lighting -- Continued
 - 4381 Vapor lamps and systems
 - Including mercury vapor lamps
 - 4382 Glow lamps
 - 4383 Neon lamps and tubes
 - 4386 Fluorescent lamps and systems
 - 4388 LED lamps and systems
 - 4391 Other lamps and systems (not A-Z)
 - 4395 Private electric-light plants for country houses, etc.
 - 4399.A-Z Special uses of electric lighting, A-Z
 - 4399.A9 Auditoriums
 - 4399.B8 Building sites
 - 4399.C6 Coal preparation plants
 - Cf. TN309 Electric lighting of mines
 - Dwellings see TK4255
 - 4399.E5 Emergency lighting
 - 4399.F2 Factories. Workshops
 - 4399.F3 Farm buildings
 - 4399.F55 Floodlighting
 - 4399.H7 Hotels
 - Interior decoration, Lighting as an element in see NK2115.5.L5
 - 4399.I7 Iron and steel works
 - 4399.M5 Mills
 - 4399.O35 Office buildings
 - 4399.P44 Pedestrian areas
 - 4399.P5 Physical education facilities
 - 4399.P6 Power plants
 - 4399.P8 Public buildings
 - 4399.R4 Recreation areas
 - 4399.S4 Searchlights
 - Ships see VM493
 - 4399.S5 Show windows
 - 4399.S6 Signs
 - Cf. TK4383 Neon lamps and tubes
 - 4399.S63 Sports facilities
 - 4399.S8 Stores, Retail
 - Streets see TK4188
 - 4399.T6 Theaters
 - Cf. PN2091.E4 Electric devices for the stage, and stage lighting
 - Cf. TR891 Lighting for motion pictures
- (4500) Infrared technology
 - see TA1570
- Electric heating
 - For rheostats and controllers see TK2851
 - 4601 General works
 - 4635 Infrared heating
 - Special applications of electric heating
 - Electric space heating see TH7409+
 - Electric cooking stoves see TX657.S5
 - Electric cooking see TX827
 - Thawing of water pipes see TH6685
 - 4660 Electric welding
 - 4660.5 Electric cutting

- 4661 Electric heating -- Continued
 Electric furnaces
 Cf. QD157 Inorganic chemistry
 Cf. QD277 Organic chemistry
 Cf. TN687 Electric metallurgy
 Cf. TP841+ Ceramic industries
 Electric ignition devices for gas lighting in buildings see TH6885+
 Electric ignition devices for automobiles see TL213
 Telecommunication
 Class here general works only. For works on special systems, see the subject
 Cf. QA268 Coding theory
 5101.A1 Periodicals, societies, congresses, etc.
 5101.A3-Z General works
 Exhibitions
 5101.5.A1 General works
 5101.5.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
 5102 Dictionaries and encyclopedias
 5102.2 History
 5102.3.A-Z By region or country, A-Z
 5102.4 Juvenile works
 5102.5 General special
 Biography
 5102.54 Collective
 5102.56.A-Z Individual, A-Z
 5102.6 Telecommunication as a profession
 Study and teaching. Research
 5102.7 General works
 5102.8.A-Z By region or country, A-Z
 5102.83 Mathematical models. Computer simulation
 5102.84 Quality control
 5102.85 Security measures
 5102.86 Sustainable practices. Energy conservation
 5102.9 Signal processing
 Coding theory
 For application in special field, see the field
 5102.92 General works
 5102.94 Cryptographic techniques
 5102.96 Error correction
 Including turbo codes
 5102.98 Echo suppression
 5102.985 Traffic
 For works on traffic in specific systems, see the system, e.g., Computer network management
 see TK5105.548+
 Apparatus and supplies
 5103 General works
 5103.12 Wiring
 5103.15 Telecommunication lines
 5103.17 Power supply
 Modems see TK7887.8.M63
 Wireless communication systems. Mobile communication systems
 5103.2 General works
 5103.26 Bit-interleaved coded modulation
 5103.3 Bluetooth
 5103.35 Body area networks
 Cf. TK5105.7+ Local area networks

Telecommunication

Wireless communication systems -- Continued

Broadband communication systems

5103.4

General works

Asynchronous transfer mode see TK5105.35

5103.45

Spread spectrum communications

5103.4515

Ultra-wideband communication systems

5103.452

CDMA

5103.48

CDPD (Standard)

5103.4815

Cognitive radio networks

5103.4817

Frequency division multiple access

Including single-carrier frequency division multiple access

5103.482

General Packet Radio Service

5103.483

Global system for mobile communications

5103.48323

Indoor positioning systems

5103.48325

Long-Term Evolution

5103.4833

Microwave communication systems

5103.4835

Millimeter wave communication systems

5103.4836

MIMO systems

5103.4837

Mobile device forensics

5103.484

Orthogonal frequency division multiplexing

5103.485

Personal communication service systems

5103.486

TDMA

5103.487

Broadcast data systems

5103.4873

Radio resource management

5103.4874

Roaming

5103.4875

Software radio

Radio data systems see TK6570.R27

Teletext systems see TK6679.7

5103.4877

Space time codes

5103.488

Trunked radio. TETRA

5103.4883

Universal Mobile Telecommunications System

5103.4885

Wireless Internet

Wireless LANs see TK5105.78

5103.4895

Wireless localization

5103.5

Information display systems

5103.52

Acoustical telecommunication systems

Including underwater acoustic telemetry

Magnetic communication see TK5103.58

5103.57

Molecular communication

5103.58

Near-field communication. Magnetic communication

Optical communications

5103.59

General works

5103.592.A-Z

Special topics, A-Z

5103.592.F52

Fiber optics. Optical fiber communication

5103.592.F73

Free space optics

Optical fiber communication see TK5103.592.F52

5103.592.O68

Optical fiber subscriber loops

5103.592.P38

Passive optical networks

5103.592.Q83

Quantum communications

5103.592.W38

Wavelength division multiplexing

5103.6

Laser communications systems

Cf. TA1671+ Lasers

Digital communications

5103.7

General works

Synchronous data transmission systems see TK5105.4+

- Telecommunication
 - Digital communications -- Continued
 - 5103.75 Integrated services digital networks
 - 5103.78 Digital subscriber lines
 - 5103.8 Switching systems
 - Packet switching see TK5105.3+
 - Artificial satellites in telecommunication
 - Cf. HE9719+ Economics
- 5104 General works
 - 5104.2.A-Z Special systems and projects, A-Z
 - 5104.2.A38 Advanced Communications Technology Satellite
 - 5104.2.A72 'Arabsāt
 - 5104.2.A75 ASTRA
 - 5104.2.D5 Dioscures project
 - 5104.2.E29 ECS satellites
 - 5104.2.H46 Hermes
 - 5104.2.I25 INSAT
 - 5104.2.O49 Olympus
 - 5104.2.P33 PACSAT
 - 5104.2.P35 Palapa project
 - 5104.2.R4 Relay
 - 5104.2.S5 Skynet Project
 - 5104.2.T4 Telstar
 - 5104.2.V74 VSATs
- Data transmission systems
 - 5105 General works
 - Wireless communication systems see TK5103.2+
 - 5105.15 Multimedia communications
 - 5105.2 Picture transmission systems. Image transmission
 - Cf. TK5103.75 Integrated services digital networks
 - Cf. TK6505 Video telephone
 - Cf. TK6600 Phototelegraphy
 - Cf. TK6710+ Facsimile transmission
 - Packet switching
 - 5105.3 General works
 - 5105.35 Asynchronous transfer mode
 - 5105.38 Frame relay
 - 5105.383 Packet transport networks
 - 5105.386 Streaming technology
 - Synchronous transfer systems
 - 5105.4 General works
 - 5105.415 SONET
 - 5105.42 Synchronous digital hierarchy
 - 5105.45 TMN
- Computer networks
 - For application in special field, see the field
 - 5105.5 General works
 - 5105.514 Popular works. Juvenile works
 - Computer network architectures
 - 5105.52 General works
 - 5105.525 Peer-to-peer architecture
 - Apparatus and supplies
 - 5105.53 General works
 - 5105.543 Bridges. Routers. Gateways
 - 5105.5457 Network processors
 - 5105.546 Networks on a chip

| | |
|----------------|---|
| | Telecommunication |
| | Computer networks -- Continued |
| | Computer network management |
| 5105.548 | General works |
| 5105.5485 | Monitoring |
| | Routing |
| 5105.5487 | General works |
| 5105.54873.A-Z | Special topics, A-Z |
| 5105.54873.A33 | Adaptive routing |
| 5105.54873.D56 | Dimension-ordered routing |
| 5105.54873.H54 | Hierarchical routing |
| 5105.54873.H68 | Hot potato routing |
| | Routers see TK5105.543 |
| 5105.54873.S45 | Self-routing |
| 5105.54873.W67 | Wormhole routing |
| | Computer network protocols. Standards |
| 5105.55 | General works |
| 5105.553 | ASN.1 |
| 5105.555 | BGP |
| 5105.56 | CEBus |
| 5105.565 | CGI |
| 5105.5665 | File Transfer Protocol |
| 5105.5667 | HTTP |
| 5105.5668 | IEEE 802.11 |
| 5105.567 | IPSec |
| 5105.5675 | IS-IS |
| 5105.5677 | iSCSI |
| 5105.568 | JXTA |
| 5105.572 | L2TP |
| 5105.5725 | LDAP |
| 5105.573 | MPLS |
| 5105.574 | Network File System |
| 5105.575 | Network Time Protocol |
| 5105.577 | Open Document Architecture |
| 5105.578 | Open Shortest Path First |
| 5105.58 | Open Systems Interconnect |
| 5105.582 | PPP |
| 5105.5825 | RADIUS |
| 5105.5828 | Service-oriented architecture |
| 5105.583 | Simple Network Management Protocol (SNMP) |
| 5105.5833 | Software-defined networking (SDN) |
| 5105.5835 | Stream Control Transmission Protocol |
| 5105.585 | TCP/IP |
| 5105.586 | TINA |
| 5105.5863 | WebDAV |
| 5105.5864 | WHOIS |
| 5105.5865 | Wireless application protocol (WAP) |
| 5105.587 | X.500 |
| 5105.59 | Computer network security |
| 5105.595 | Directory services |
| 5105.5956 | Quality of service. Reliability |
| | Including network performance |
| 5105.597 | Remote access |
| 5105.6 | Telematics |
| 5105.65 | Location-based services |
| 5105.66 | Cross-layer designs |

Telecommunication

Computer networks -- Continued

- 5105.67 Machine-to-machine communications
- Local area networks
 - 5105.7 General works
 - 5105.72 Ring networks
 - Electronic mail systems
 - Including systems that also connect outside the local network and instant messaging systems
 - Cf. HE7551+ Postal service
 - 5105.73 General works
 - 5105.74.A-Z Special programs, A-Z
 - 5105.74.C57 Cisco IronPort
 - 5105.74.E57 Entourage
 - 5105.74.G55 Gmail
 - 5105.74.J32 Jabber
 - 5105.74.P66 Postfix
 - 5105.74.P76 Procmail
 - 5105.74.Q43 Qmail
 - 5105.74.S44 Sendmail
 - 5105.743 Spam filtering
 - 5105.75 Home computer networks
 - Including amateurs' manuals
 - 5105.76 Personal area networks
 - 5105.77 Ad hoc networks
 - 5105.775 FiWi access networks
 - 5105.78 Wireless LANs
 - 5105.8.A-Z Special systems, A-Z
 - 5105.8.A77 AppleTalk
 - Banyan VINES see TK5105.8.V56
 - 5105.8.B57 BLEND
 - 5105.8.C57 Cisco
 - 5105.8.E25 Econet
 - 5105.8.E83 Ethernet
 - 5105.8.I24 IBM Token-Ring Network
 - 5105.8.I44 ILLINET
 - 5105.8.J84 Juniper
 - 5105.8.L34 LAN Server
 - 5105.8.N63 Nortel
 - 5105.8.N65 Novell Netware networks
 - 5105.8.S65 SNA
 - 5105.8.T65 TOPS
 - 5105.8.V56 VINES
 - 5105.83 Electronic villages
 - 5105.84 Value-added networks
 - 5105.85 Metropolitan area networks
 - 5105.86 Storage area networks
 - Wide area networks
 - 5105.87 General works
 - 5105.875.A-Z Special networks and systems, A-Z
 - 5105.875.A77 ARPANET
 - 5105.875.B57 BITNET
 - 5105.875.C45 CGNET
 - 5105.875.D37 DDN
 - 5105.875.E87 Extranets
 - 5105.875.F55 Florida Information Resource Network
 - 5105.875.I57 Internet

- Telecommunication
 - Computer networks
 - Wide area networks
 - Special networks and systems, A-Z -- Continued
 - 5105.875.I6 Intranets
 - 5105.875.N37 National Research and Education Network
 - 5105.875.S58 Sistema Nacional e-México
 - 5105.875.S95 SURAnet
 - 5105.875.S97 Switched multi-megabit data service
 - 5105.875.U83 Usenet
 - Specific aspects of, or services on, the Internet
 - General works see TK5105.875.I57
 - 5105.878 Moral and ethical aspects
 - Browsers
 - General works
 - Special, A-Z
 - Communicator (Netscape)
 - see TK5105.883.N49
 - 5105.883.F55 Firefox
 - 5105.883.G66 Google Chrome
 - 5105.883.M53 Microsoft Internet Explorer
 - 5105.883.N43 NetCruiser
 - 5105.883.N48 Netscape. Netscape Navigator
 - 5105.883.N49 Netscape Communicator
 - 5105.883.N493 Netscape SuiteSpot
 - 5105.883.O65 Opera
 - (5105.883.S85) SuiteSpot (Netscape)
 - see TK5105.883.N493
- 5105.8835 Domain names
- Search engines
 - Class here works on the engineering and technology of search engines
 - For works on using search engines, browsers, and other user interfaces to retrieve information see ZA4230+
- 5105.884 General works
- 5105.885.A-Z Special, A-Z
 - AltaVista
 - Google
 - Novell E-guide
 - OASIS
 - OMEGA
 - RaiNews24
 - WebCompass
 - Yahoo!
- Electronic mail systems see TK5105.73+
- Internet games see GV1469.15+
- 5105.8854 Internet governance
- 5105.8855 Internet access. Internet access control
 - Cf. QA76.9.A25 Access control. Computer security
- 5105.8857 Internet of things
- 5105.886 Internet Relay Chat
- 5105.8863 Computer sound processing
- 5105.8865 Internet telephony
- Internet videos
 - Cf. PN1992.922+ Production and direction
- 5105.8867 General works
- 5105.8868.A-Z Special, A-Z

| | |
|-----------------|--|
| | Telecommunication |
| | Computer networks |
| | Wide area networks |
| | Specific aspects of, or services on, the Internet |
| | Internet videos |
| | Special, A-Z -- Continued |
| 5105.8868.Y68 | YouTube |
| 5105.887 | Webcasting. Push technology |
| | Cf. PN1992.922+ Production and direction |
| | World Wide Web |
| | Including general works on web site design and development |
| 5105.888 | General works |
| 5105.88813 | Web services |
| 5105.88815 | Semantic Web |
| 5105.88817 | Web 2.0 |
| 5105.8882 | Wikis |
| | Web authoring software |
| | Including Web server software |
| | For HTML see QA76.76.H94 |
| | For specific programs see TK5105.8885.A+ |
| 5105.8883 | General works |
| 5105.8884 | Weblog software |
| 5105.8885.A-Z | Special, A-Z |
| 5105.8885.A26 | Active server pages |
| 5105.8885.A28 | ActiveX |
| 5105.8885.A34 | Adobe GoLive |
| 5105.8885.A35 | Adobe InDesign |
| 5105.8885.A355 | Adobe Muse |
| 5105.8885.A36 | Adobe PageMill |
| 5105.8885.A38 | Adobe Photoshop |
| 5105.8885.A52 | Ajax |
| 5105.8885.A63 | Apache |
| 5105.8885.B4 | BEA Weblogic |
| 5105.8885.B66 | Bootstrap |
| 5105.8885.C55 | Claris Home page |
| 5105.8885.C58 | Community server |
| (5105.8885.C66) | Composer (Netscape) |
| | see TK5105.8885.N49 |
| 5105.8885.D54 | Django |
| 5105.8885.D68 | DotNetNuke |
| 5105.8885.D74 | Dreamweaver |
| 5105.8885.D78 | Drupal |
| 5105.8885.F55 | Fireworks |
| 5105.8885.F59 | Flash |
| (5105.8885.F76) | FrontPage (Microsoft) |
| | see TK5105.8885.M53 |
| 5105.8885.F87 | FutureTense Texture |
| 5105.8885.G64 | GoLive CyberStudio |
| 5105.8885.H65 | HomeSite |
| 5105.8885.J34 | Jakarta Tomcat |
| 5105.8885.J38 | JavaServer pages |
| 5105.8885.J42 | JBoss |
| 5105.8885.J86 | Joomla |
| (5105.8885.L58) | LiveConnect (Netscape) |
| | see TK5105.8885.N5 |
| 5105.8885.L67 | Lotus Domino |

Telecommunication

Computer networks

Wide area networks

Specific aspects of, or services on, the Internet

World Wide Web

Web authoring software

Special, A-Z -- Continued

5105.8885.M32

Macromedia Generator

5105.8885.M37

Macromedia sitespring

5105.8885.M38

Macromedia Studio MX

5105.8885.M39

Markdown

Including R Markdown

5105.8885.M52

Microsoft content management server

5105.8885.M525

Microsoft Expression Web

5105.8885.M53

Microsoft FrontPage

5105.8885.M54

Microsoft Office. Microsoft Office professional

5105.8885.M543

Microsoft SharePoint

5105.8885.M545

Microsoft TV

5105.8885.M55

Microsoft Visual InterDev

5105.8885.M57

Microsoft Visual studio

5105.8885.M59

Microsoft Word

5105.8885.M67

Movable Type

5105.8885.N34

Namo web edit'õ

5105.8885.N48

NetObjects Fusion

5105.8885.N49

Netscape Composer

5105.8885.N5

Netscape LiveConnect

5105.8885.N62

Novell Net publisher

5105.8885.O63

Opa

5105.8885.O7

Oracle Portal

5105.8885.O75

Oracle WebLogic server

(5105.8885.P34)

PageMill

see TK5105.8885.A36

R Markdown see TK5105.8885.M39

5105.8885.R46

Resin

5105.8885.R83

Ruby on Rails

5105.8885.S24

SAP NetWeaver

5105.8885.S25

SAS

5105.8885.S56

Shockwave

5105.8885.S76

Struts framework

(5105.8885.T49)

FutureTense Texture

see TK5105.8885.F87

5105.8885.T54

TK toolkit

5105.8885.T85

Tumblr

(5105.8885.V58)

Visual InterDev (Microsoft)

see TK5105.8885.M55

5105.8885.W36

Water

5105.8885.W42

Web component

WebLogic server (Oracle) see TK5105.8885.O75

5105.8885.W43

WebSphere

5105.8885.W65

WordPerfect

5105.8885.W66

WordPress

5105.8885.Z65

Zope

5105.8887

WebTV (Trademark)

5105.9

Communications software

Telegraph

Including works on the telegraph and telephone

Cf. TK5601+ Submarine telegraph

Cf. TK5700+ Radiotelegraph

Cf. TK9941+ Construction for amateurs

Cf. UG600+ Military telegraph

5107

Periodicals, societies, etc.

Exhibitions

5107.5.A1

General works

5107.5.A2-Z

By region or country, A-Z

Subarrange each country by Table T4b

5108

Collected works (nonserial)

5110

Dictionaries and encyclopedias

History

5115

General works

Claims of inventors

5117

General works

5118.A-Z

Special. By name, A-Z

5118.B2

Claims of Bain

5118.C7

Claims of Cooke

5118.H5

Claims of Henry

5118.M7

Claims of Morse

5121-5227

Country divisions (Table T1a)

Add country number in table to TK5100

For technical reports of telegraph companies see TK5287.A+

Biography

5241

Collective

5243.A-Z

Individual, A-Z

Study and teaching

5250

General works

Special schools

5255

United States

5257.A-Z

Other countries, A-Z

5261

Comprehensive treatises

5262

Elementary textbooks

5263

Telegraphers' manuals

5264

Beginners' primers

5265

Popular works

Cf. TK9941+ Construction for amateurs

5266

Pocketbooks, tables, etc.

5269

General special

5275

Theory of telegraphy

5281

Specifications (General)

Management of telegraph enterprises

Cf. HE7661 Business administration of telegraph companies

Cf. TK5381 Management of telegraph stations

5283

General works

Office organization

5285

General works

5286

Records. Correspondence

5287.A-Z

Technical reports of telegraph companies. By company, A-Z

For financial and other non-technical reports see HE7761+

5295

Catalogs of telegraph apparatus and supplies (General)

Telegraph plants. Stations. The line

5301

General works

Stations

Telegraph

Telegraph plants. Stations. The line

Stations -- Continued

5311

General works

Central telegraph stations

5321

General works

5328.A-Z

Special. By country, A-Z

5341

Branch stations

5371

Power production and special machinery

5378

Electric cells

5381

Management of telegraph stations (Technical)

For telegraphers' manuals see TK5263

Cf. TK5283+ Management of telegraph enterprises

5385

Testing of telegraph apparatus, lines and material

Cf. TK5445 Inspectors' manuals

Distribution. Construction. Connections

Including works on telegraph and telephone lines

5401

General works

Wiring of telegraph circuits

Cf. TK6341+ Wiring of telephone circuits

5441

General works

5445

Telegraph wiremen's manuals. Inspectors' manuals. Diagrams of connections, etc.

Cf. TK5266 Pocketbooks and tables for telegraph engineers

The line

Cf. TK6351+ Telephone lines

5451

General works

Overhead lines

5452

General works

5454

Line material (General)

5455

Details

Including poles and crossarms, guys and braces

Underground lines

5465

General works

5467

Conduit material (General)

5468

Details

Cables see TK5481

5481

Telegraph wires and cables

For submarine cables see TK5671

5491

Switchboards and accessories (for line connections)

For switchboards for electric power in telegraph see TK5371

Systems and instruments for telegraphing

For systems and instruments for making connections see TK5491

5501

General works

5509

General special. Telegraph alphabets

(5511)

Early to 1830

Claims of inventors, see TK5117+

5515

Optic systems. Dial telegraphs. Non-automatic electrolytic telegraphs

Acoustic systems and instruments

5521

General works

5522

General special. Buzzer systems

5523

Simplex. Ordinary. High speed

5531

Duplex (two messages simultaneously, in opposite directions)

5535

Quadruplex or synchronous (four messages simultaneously, in two directions)

5538

Multiplex (more than four messages simultaneously)

Automatic transmitting and receiving systems and instruments

5541

General works

Telegraph

Systems and instruments for telegraphing

Automatic transmitting and receiving systems and instruments -- Continued

5543

Printing

Class here letters or characters printed directly

5545

Writing. Autographic

5546

Ink impression or inking receiving systems and instruments

5547

Perforating transmitting systems and instruments. Perforated paper-fillet in transmitter and ink impression in receiver. Synchronographs

5549

Chemical (Electrochemical. Photochemical)

Cf. TK6600 Picture telegraph

5550

Induction systems

5569.A-Z

Telegraph systems. By application, A-Z

5569.T7

Train telegraph systems

Cf. TK5550 Induction systems

Instruments (General)

Class special instruments with the system above

5571

General works

5575

Keys

Sounders and relays

5581

General works

5585

Relays

Submarine telegraph

5601

Periodicals, societies, etc.

History

5605

General works

5607.A-Z

By region or country, A-Z

Geographical subdivisions

5609

General works

5611

Atlantic submarine telegraph

Including life and works of C.W. Field

5613

Pacific submarine telegraph

5615

Indian Ocean submarine telegraph

5621

Comprehensive treatises

5622

Elementary textbooks

5625

Popular works

5626

Pocketbooks, tables, etc.

5627

General special

5641

Stations. Construction. Component parts, etc.

Cables and cable laying

5661

General works

Cable laying and repairing

5662

General works

5671

The cable

Cf. TK5481 Telegraph cables (General)

5681

Systems and instruments

Radiotelegraph. Wireless telegraph

Cf. HE8660+ Economics

Cf. HJ6645+ Coast Guard service (U.S.)

Cf. TK6540+ Wireless telephone

Cf. UG610+ Military wireless telegraph

Cf. VG76+ Naval wireless telegraph

5700

Periodicals, societies, etc.

5707

Collected works (nonserial)

5709

Dictionaries and encyclopedias

Directories of wireless stations see HE8663+

Telegraph

Radiotelegraph. Wireless telegraph -- Continued

- 5711 History
 - Special countries
 - United States
 - 5718 General works
 - 5719.A-.W States, A-W
 - 5720 Canada
 - 5721 Latin America
 - 5721.5 West Indies
 - South America
 - 5722.A1 General works
 - 5722.A2-Z By region or country, A-Z
 - Europe
 - 5723.A1 General works
 - 5723.A2-Z By region or country, A-Z
 - Asia
 - 5724.A1 General works
 - 5724.A2-Z By region or country, A-Z
 - Africa
 - 5725.A1 General works
 - 5725.A2-Z By region or country, A-Z
 - Australia
 - 5726 New Zealand
 - 5727 Pacific Islands
 - 5728 Arctic regions
 - Biography
 - 5733 Collective
 - 5739.A-Z Individual, A-Z
- Study and teaching. Schools
 - 5740 General works
 - 5740.5 Laboratory manuals
 - 5741 Comprehensive treatises
 - 5742 Elementary textbooks
 - 5743 Operators' manuals
 - 5745 Popular works
 - For amateurs' manuals for construction see TK9946
 - 5746 Pocketbooks, tables, etc.
 - 5747 General special
 - 5751 Theory
 - 5755 Patents
 - 5771 Stations for radiotelegraph
 - Special applications
 - 5773 General works. Position finding, etc.
 - (5775) Aeronautical
 - see TL693+
 - 5777 General special
 - Systems and instruments for radiotelegraph
 - For general works, see TK5741+
- 5811 Special systems
 - Instruments
 - 5861 General works
 - 5863 Coherers
 - 5865 Other special
- Electroacoustics. Electroacoustic transducers
 - 5981 General works

- Electroacoustics. Electroacoustic transducers -- Continued
- 5981.5 Active noise and vibration control
- 5981.55 Acoustic surface wave devices
- 5982 Ultrasonic transducers
- 5983 Loudspeakers
- 5983.5 Headphones
- 5984 Magnetic tape and magnetic tape heads
For data tapes see TK7895.D3
- 5986 Microphones
Cf. TK6478 Telephone transmitters
- 5987 Hydrophones
Recorders and recording (Magnetic) see TK7881.6+
Sound systems (General) see TK7881.4+
- 5990 Sirens
- Telephone
For telecommunications devices for the deaf see HV2502.5
For systems and standards used in wireless communication, including wireless telephone systems
see TK5103.2+
For Internet telephony see TK5105.8865
For telephone plants see TK6201+
For telephone systems and instruments see TK6401+
For mobile communication systems see TK6570.M6
For military telephone systems see UG620.A+
- 6001 Periodicals, societies, etc.
- 6005 Congresses. Conventions
Exhibitions. Museums
- 6005.5.A1 General works
- 6005.5.A2-Z By region or country, A-Z
Subarrange each country by Table T4b
- 6006 Collected works (nonserial)
- 6007 Dictionaries and encyclopedias
- 6011 Directories of the telephone industry
- History
- 6015 General works
Claims of inventors
- 6017 General works
- 6018.A-Z Special. By name, A-Z
e.g.
- 6018.B4 Claims of Bell
- 6018.P6 Claims of Pickering
- 6018.S8 Claims of Strong
- 6021-6127 Special countries (Table T1a)
Add country number in table to TK6000
For technical reports of telephone companies see TK6187.A+
- Biography
- 6141 Collective
- 6143.A-Z Individual, A-Z
- Study and teaching
- 6150 General works
Special schools
- 6155 United States
- 6157.A-Z Other countries, A-Z
- 6161 Comprehensive treatises
- 6162 Elementary textbooks
- 6163 Operators' manuals
Cf. TK6345 Telephone wiremen's manuals

- Telephone -- Continued
- 6164 Beginners' primers
- 6165 Popular works. Juvenile works
 - Cf. TK9951 Amateurs' manuals for construction
- 6167 Pocketbooks, tables, etc.
- 6168 Examinations, questions, etc.
- 6169 General special
 - Including rural telephones, estimates
- 6175 Theory of the telephone
- 6181 Specifications (General)
- Management of telephone enterprises
 - Cf. HE8761+ Business administration of telephone companies
 - Cf. TK6281 Management of telephone stations
- 6183 General works
- Office organization
- 6185 General works
- 6186 Records, correspondence, etc.
- 6187.A-Z Technical reports of telephone companies. By company, A-Z
 - For financial and other non-technical reports see HE8800+
- 6188 General special
- 6195 Catalogs of telephone apparatus and supplies (General)
- Telephone plants. Stations. The line
- 6201 General works
- Stations. Central telephone stations. Exchanges
- 6211 General works
- 6241 Substations
- Power production and special machinery
 - For central stations (General) see TK1191+
- 6271 General works
- 6278 Batteries
- 6281 Management of telephone stations
 - Cf. TK6183+ Management of telephone enterprises
- 6285 Testing of telephone apparatus, line and material
- Distribution. Construction. Connections
- 6301 General works
- Wiring of telephone circuits
- 6341 General works
- 6343 General special
 - Including phantom circuits
- 6345 Telephone wiremen's manuals. Inspectors' manuals
 - Cf. TK3205 Wiring manuals for electricians
 - Cf. TK5445 Telegraph wiremen's manuals
 - Cf. TK6163 Telephone operators' manuals
- The line
 - Cf. TK5103.78 Digital subscriber lines
 - Cf. TK5451+ Telegraph (The line)
- 6351 General works
- 6352 Overhead or aerial lines
 - For telegraph overhead lines see TK5452+
- 6365 Underground lines
- Submarine telephone cables
 - History
- 6370 General works
- 6372.A-Z By region or country, A-Z
- Geographical subdivisions
- 6373 Atlantic Ocean

Telephone

Distribution. Construction. Connections

The line

Submarine telephone cables

Geographical subdivisions -- Continued

6375 Pacific Ocean

6377 Treatises

6379 Popular works. Juvenile works

Telephone wires and cables

For telegraph wires and cables see TK5481

6381 General works

6383 Wiretapping

Switchboards and accessories for line connections

For switchboards for electric power for telephones see TK6271+

6391 General works

6392 General special

Systems for making connections

6394 Manual systems

6397 Automatic systems

Systems and instruments for transmitting sound

For systems and instruments for making electric connections see TK6391+

6401 General works

6418 Catalogs of instruments

Cf. TK6195 Catalogs of apparatus and supplies

Special systems and instruments

Cf. TK6394+ Systems for making connections

6421 General works

6425 Multiplex systems

6430 Centrex systems and services

Instruments

6471 General works

6473 Technique of telephone instruments

Transmitters

6475 General works

6478 Microphones

6481 Receivers

6500 Telephones. Telephonographs. Recording telephones. Dictographs. Mechanical telephones

6505 Video telephones

6525 Simultaneous telegraph and telephone

Radio

Including wireless telephone

Cf. QC660.5+ Electric waves

6540 Periodicals, societies, etc.

6541 Congresses

(6542) Yearbooks

see TK6540

6543 Collected works (nonserial)

6544 Dictionaries and encyclopedias

Biography

6545.A1 Collective

6545.A2-Z Individual, A-Z

6547 History

6548.A-Z By region or country, A-Z

6550 General works

Cf. TK9956+ Amateur construction

Radio -- Continued

- 6550.7 Popular works. Juvenile works
- 6550.8 Laboratory manuals
- 6552 Tables, calculations, etc.
- 6552.5 Radio measurements
- 6553 General special
 - Including testing, standards, repairing, safety, two-way radio (Radiotelephone), etc.
- 6553.5 Addresses, essays, lectures
- Study and teaching. Research
- 6554 General works
- 6554.5 Examinations, questions, etc.
- 6555 Directories of radio stations
 - Cf. TL695.5 Aircraft stations
- 6557 Trade directories
- Radio stations
 - Cf. TH4655 Construction of radio station structures
- 6557.5 General works
- 6558.A-Z Special radio stations. By place, A-Z
 - e.g.
 - 6558.P5 Pittsburgh, KDKA
- 6559 Patents
- Apparatus
- 6560.A1-.Z4 General works
 - Prefer TK6561+
- 6560.Z5 Trade publications
- 6561 Sending apparatus. Transmitters
- 6562.A-Z Special, A-Z
 - 6562.D54 Digital audio broadcasting
 - 6562.F2 FM broadcasting
 - 6562.P32 Packet transmission
 - 6562.S28 Satellite radio
 - 6562.S5 Shortwave transmission
 - 6562.S54 Single-sideband transmission
 - 6562.S7 Stereophonic broadcasting
 - 6562.W5 Wire broadcasting
- Radio receiving apparatus
 - Including catalogs
- 6563 General works
- 6563.2 Collectors and collecting
- 6564.A-Z Special, A-Z
 - 6564.C79 Crystal sets
 - 6564.F7 Frequency modulation radios
 - 6564.M64 Monitoring receivers
 - 6564.P35 Panoramic receivers
 - 6564.P6 Portable radios
 - 6564.S5 Shortwave radios
 - 6564.T7 Transistor radios
- Radio transmitter-receivers
 - Class here works on the electronic engineering of radio transmitter-receivers and works on their use unless otherwise provided for in the field of application
 - For specific makes of smartphones see QA76.8.A+
 - For walkie-talkies see TK6565.W25
- 6564.3 General works
- 6564.4 Special devices, A-Z
 - 6564.4.C45 Cell phones
 - For specific makes of smartphones see QA76.8.A+

Radio

Apparatus -- Continued

- 6565.A-Z Other radio apparatus, A-Z
- 6565.A55 Amplifiers
- 6565.A6 Antennas
 - For special types see TK7871.67.A+
- 6565.A8 Attenuators
- 6565.C3 Cathode ray tubes
- 6565.C6 Coils
- 6565.C65 Condensers
- 6565.D4 Detectors
- 6565.D5 Direction finders
- (6565.E6) Electron tubes
 - see TK6565.V3
- 6565.F5 Filters
- 6565.F7 Frequency changers
- Loudspeakers see TK5983
- 6565.M35 Mains supply
- Microphones see TK5986
- 6565.O7 Oscillators
- 6565.P3 Panels
- 6565.R32 Radio and television towers
- Receivers see TK6563+
- Recording apparatus
- 6565.R4 Rectifiers
- 6565.R42 Resistors
- 6565.R426 Resonators
- 6565.R43 Switchgear
- 6565.S9 Television and radio towers see TK6565.R32
- 6565.T7 Transformers
- 6565.T73 Transmission lines
- 6565.V3 Vacuum tubes. Electron tubes
- 6565.V6 Voltage regulators
- 6565.W25 Walkie-talkies
- 6565.W3 Waveguides
- 6570.A-Z Special applications of radio, A-Z
- Aircraft see TL692+
- 6570.A8 Automobiles
- (6570.B7) Broadcasting
 - see PN1991+
- 6570.C5 Citizens band radio
- 6570.C6 Radio control
- 6570.I34 Identification. Radio frequency identification systems
- Military radio systems see UG610+
- (6570.M6) Mobile communication systems
 - see TK5103.2+
 - For systems and standards used in wireless communications see TK5103.2+
- Naval radio systems see VG76+
- (6570.N43) Near field communication
 - see TK5103.58
- 6570.P5 Pipelines
- 6570.P6 Police
- 6570.P8 Public safety radio service
- 6570.R27 Radio data systems
- Radio frequency identification systems see TK6570.I34
- 6570.R3 Railroads

Radio

- Special applications of radio, A-Z -- Continued
- 6570.T76 Tropospheric scatter communication systems
- Wireless communication systems see TK5103.2+
- Extraterrestrial radio communication
 - For radio in astronautics see TL3035
- 6571 General works
- 6571.5.A-Z Special celestial bodies, A-Z
- 6571.5.M6 Moon

Radar

- 6573 Periodicals, societies, congresses, etc.
- 6574 Dictionaries and encyclopedias
- 6574.2 History
- 6574.4.A-Z By region or country, A-Z
- 6575 General works
- 6576 Popular works. Juvenile works
- 6578 Tables, calculations, etc.
- 6580 General special
- 6582 Computer coordination of multiple radar systems
- Apparatus
 - 6585 General works
 - 6587 Transmitting apparatus
 - Including transmitter-receiver units
 - 6588 Receiving apparatus
 - 6590.A-Z Other apparatus, A-Z
 - 6590.A5 Amplifiers
 - 6590.A6 Antennas
 - 6590.C3 Cathode ray tubes
 - 6590.I5 Indicators
 - 6590.M5 Microwave lenses
 - 6590.O67 Optical equipment
 - 6590.O7 Oscillators
 - 6590.R3 Radomes
 - 6590.R4 Resonators
 - 6590.S4 Servomechanisms
 - 6590.T72 Transmit-receive tubes
 - 6590.V6 Voltage regulators
 - 6590.W3 Waveguides
- Special types, A-Z
 - 6592.A-Z Automatic tracking
 - 6592.A9 Bistatic radar
 - 6592.B57 Coherent radar
 - 6592.C6 Continuous wave radar
 - 6592.C65 Doppler
 - 6592.D6 Ground penetrating radar
 - 6592.G7 Low probability of intercept radar
 - 6592.L67 Monopulse
 - 6592.M6 Moving target indicator radar
 - 6592.M67 Optical radar
 - 6592.O6 Over-the-horizon
 - 6592.O94 Pulse compression radar
 - 6592.P85 Search radar
 - 6592.S4 Synthetic aperture radar
 - 6592.S95 Through-the-wall imaging
 - 6592.T48 Ultra-wideband radar
 - 6592.U48

- Radar -- Continued
- 6595.A-Z Special applications of radar, A-Z
 - To be classified here unless provided for elsewhere
 - Aeronautics see TL692+
- 6595.G4 Geodesy
 - Military science see UG610+
 - Naval science see VG76+
 - Navigation see VK560+
 - Oceanographic research ships see VM453
 - Radar on ships see VM480+
- 6600 Phototelegraphy. Picture telegraphy
 - Including radio photographs
 - Cf. TK6710+ Facsimile transmissions
- Television
 - Cf. GV1469.3+ Video games
 - Cf. PN1992+ Television broadcasts
- 6630.A1 Periodicals, societies, etc.
- 6630.A2-Z General works
- 6634 Dictionaries and encyclopedias
- Biography
 - 6635.A1 Collective
 - 6635.A2-Z Individual, A-Z
- 6637 History
- 6638.A-Z By region or country, A-Z
- 6640 Popular works. Juvenile works
 - Cf. TK9960+ Television for amateurs
- 6641 Laboratory manuals
- 6642 Handbooks, manuals, etc.
- 6643 General special
- 6644 Television as a profession
- 6645 Directories of television stations
- 6646 Television stations
 - Cf. TH4656 Construction of television station structures
- Television relay systems
 - 6648 General works
 - 6649.A-Z Special systems and projects, A-Z
- Apparatus
 - Cf. TK5105.8887 WebTV (Trademark)
- 6650 General works
- 6651 Transmitting apparatus
- 6653 Receiving apparatus
- 6655.A-Z Other, A-Z
 - 6655.A5 Amplifiers
 - 6655.A6 Antennas
 - 6655.C3 Camera tubes
 - Cathode ray tubes see TK6655.P5
 - 6655.C5 Channel selectors
 - 6655.D43 Deflection systems
 - 6655.D54 Digital video recorders
 - Cf. TK6655.V5 Video tape recorders
 - Electronic cameras see TR882+
 - 6655.O7 Oscillators
 - 6655.P5 Picture tubes
 - 6655.T7 Transformers
 - 6655.T8 Tuners
 - 6655.U6 Ultrahigh frequency apparatus (General)

- Television
 - Apparatus
 - Other, A-Z -- Continued
 - 6655.V5 Video tape recorders
 - Cf. TK6655.D54 Digital video recorders
 - Cf. TR845+ Cinematography. Motion pictures. Video recording
 - Cf. TR882.3 Camcorders
 - 6658 3-D television
 - 6670 Color television
 - 6675 Community antenna television
 - 6676 Master antenna television
 - 6677 Direct broadcast satellite television
 - 6678 Digital television
 - Mobile television
 - 6678.3 General works
 - 6678.5.A-Z Special systems, standards, formats, A-Z
 - 6678.5.C56 CMMB
 - 6678.5.D84 DVB-H
 - 6679 High definition television
 - 6679.3 Interactive television
 - 6679.5 Underwater television
 - 6679.7 Teletext systems
 - 6680 Closed-circuit television
 - 6680.3 Video surveillance
 - Video telephones see TK6505
 - Digital video
 - Class here general works on using microcomputer technology to digitize moving images for inclusion in computer programs, including equipment and standards
 - For works on using digital video technology in cinematography see TR860
 - 6680.5 General works
 - 6680.8.A-Z Special systems, standards, software, A-Z
 - 6680.8.A15 3-D video
 - 6680.8.A66 Apple TV
 - 6680.8.M74 MPEG
 - 6680.8.M93 MyDVD
 - 6680.8.R67 Roxio Easy media creator
 - Three-dimensional video see TK6680.8.A15
 - Multimedia computer systems see QA76.575
 - 6681 Video game equipment
 - Cf. GV1469.3+ Video games
 - Cf. TK9971 Amateur constructors' manuals
 - (6683) Underwater television
 - see TK6679.5
 - 6685 Video discs and video disc equipment
 - 6687 Interactive video
 - Cf. LB1028.75 Education
 - Facsimile transmission
 - 6710 General works
 - 6720 Ultrafax
 - Installation of household appliances
 - For electric space heating see TH7409+
 - 7018 Treatises
 - Cf. TK9900+ Amateur constructors' manuals
 - 7019 Popular works
 - 7028 Catalogs

Installation of household appliances -- Continued

Electric bells and buzzers

For buzzer systems in telegraphy see TK5522

7108

General works

7109

Popular works

7118

Catalogs of electric bells

Electric annunciators and alarms

Cf. TH9739 Security in buildings

7201

General works

7221

Annunciators

Alarms

7241

General works

(7251)

Burglar alarms

see TH9739

(7271)

Fire alarms

see TH9271

(7291)

Electric ignition of gas

see TH6885

(7301)

Electric clocks

see TS544

Miscellaneous electrical industries

(7611)

Electric train signaling

see TF615+

Train telegraph systems see TK5569.T7

7725

Manufacture of electrodes, carbons, etc.

For use of carbons for arc lamps see TK4335

Electronics

Cf. TK6540+ Radio

Cf. TK6573+ Radar

Cf. TK6630+ Television

7800

Periodicals. Societies. Serials

7801

Congresses. Conventions

Exhibitions

7802.A1

General works

7802.A2-Z

By region or country, A-Z

Subarrange each country by Table T4b

7803

Collected works (nonserial)

7804

Dictionaries and encyclopedias

7805

Directories

Biography

7806

Collective

7807.A-Z

Individual, A-Z

7809

History

By region or country

7811

United States

7812.A-Z

Other regions or countries, A-Z

7815

Treatises

7816

Elementary textbooks

7817

Outlines, syllabi, etc.

7818

Laboratory manuals

7819

Popular works

7820

Juvenile works

7825

Handbooks, pocketbooks, tables, etc.

7828

Addresses, essays, lectures

7835

General special

7836

Electronic plants and equipment. Manufacture of electronic components and apparatus

- Electronics -- Continued
- 7845 Electronics as a profession
- Patents
- 7850.A1 Periodicals, societies, etc.
- 7850.A2-Z General works
- 7855 Research
- Study and teaching
- 7860 General works
- 7862 Problems, exercises, etc.
- 7863 Examinations, questions, etc.
- 7864 Mathematics
- 7866 Drawing. Diagrams, etc.
- Electronic circuits (General)
 - For circuitry of special apparatus and components, see TK7871.2+ TK7871.2, Circuitry of amplifiers
- 7867 General works
- 7867.2 Electromagnetic interference and compatibility
- 7867.5 Noise
- 7867.8 Shielding
- 7868.A-Z Special circuits (General)
 - 7868.A79 Asynchronous
 - 7868.B7 Bridge
 - 7868.D5 Digital
 - Integrated circuits see TK7874+
 - Interface circuits
 - Logic circuits
 - Microwave circuits see TK7876+
 - Molded interconnect devices
 - Power supply
 - Printed circuits
 - Pulse
 - Switched capacitor circuits
 - Switching
 - Timing
 - Trigger
- Apparatus and materials
- 7869 Periodicals, societies, etc.
- 7870 General works
- Electronic packaging
 - 7870.15 General works
 - 7870.16 Ball grid array technology
 - 7870.17 Chip scale packaging
- 7870.2 Maintenance and repair. Electronic troubleshooting
- 7870.23 Reliability. Failures
 - Cf. TK7871.852 Semiconductor failures
- Environmental engineering. Operating environment
 - 7870.24 General works
 - 7870.25 Cooling. Thermal properties
 - 7870.27 Contamination and decontamination
 - 7870.28 Corrosion
 - 7870.285 Effect of radiation on
- 7870.3 Catalogs
- Materials (General)
 - 7871 General works
 - 7871.15.A-Z Special, A-Z
 - 7871.15.B47 Berlinite crystals

Electronics

Apparatus and materials

Materials (General)

Special, A-Z -- Continued

| | |
|--------------|---------------------------|
| 7871.15.C33 | Cadmium alloys |
| 7871.15.C35 | Carbon |
| 7871.15.C4 | Ceramic materials |
| 7871.15.D53 | Diamonds |
| 7871.15.F4 | Ferrites |
| 7871.15.F5 | Films |
| 7871.15.G3 | Gallium arsenide |
| 7871.15.G33 | Gallium nitride |
| 7871.15.G5 | Glass |
| 7871.15.I52 | Indium arsenide |
| 7871.15.I53 | Indium phosphide |
| 7871.15.M3 | Magnetic materials |
| 7871.15.M48 | Metamaterials |
| 7871.15.N53 | Nickel alloys |
| 7871.15.N57 | Nitrides |
| 7871.15.O7 | Organometallic compounds |
| 7871.15.P4 | Phosphors |
| 7871.15.P5 | Plastic materials |
| 7871.15.P6 | Polymers |
| 7871.15.P65 | Potting compounds |
| 7871.15.Q3 | Quartz |
| 7871.15.S54 | Silicides |
| 7871.15.S55 | Silicon |
| 7871.15.S558 | Silicon nitride |
| 7871.15.S56 | Silicon organic compounds |
| 7871.15.T56 | Titanium |
| 7871.15.T85 | Tungsten |
| 7871.15.Z56 | Zinc |

Amplifiers

| | |
|--------------|---|
| 7871.2 | General works |
| | Including vacuum-tube and transistor amplifiers |
| 7871.22 | Dielectric |
| 7871.23 | Magnetic |
| | Cf. TK2851 Electric controllers |
| 7871.24 | Parametric |
| | Rotating see TK2699 |
| (7871.3-.37) | Lasers |
| | see TA1671+ |
| (7871.33) | Chemical lasers |
| | see TA1690 |
| (7871.35) | Gas lasers |
| | see TA1695 |
| (7871.37) | Solid-state lasers |
| | see TA1705 |
| 7871.4 | Masers |
| | Cf. TA1671+ Lasers |
| 7871.58.A-Z | Other, A-Z |
| 7871.58.A9 | Audio |
| 7871.58.B74 | Broadband |
| 7871.58.C75 | Crossed-field |
| 7871.58.D46 | Differential |
| 7871.58.D5 | Direct current |

Electronics

Apparatus and materials

Amplifiers

Other, A-Z -- Continued

7871.58.D54

Distributed

7871.58.F4

Feedback

7871.58.L57

Lock-in

7871.58.L6

Logarithmic

7871.58.O6

Operational

7871.58.P6

Power

7871.58.P8

Pulse

7871.58.T8

Tuned

7871.58.V5

Video amplifiers

Antennas and waveguides

7871.6

Antennas

Cf. TK6565.A6 Radio

Cf. TK6590.A6 Radar

Cf. TK6655.A6 Television

7871.65

Waveguides

7871.67.A-Z

Special, A-Z

7871.67.A33

Adaptive antennas

7871.67.A77

Arrays

Circularly polarized antennas see TK7871.67.S65

7871.67.C95

Cylindrical antennas

7871.67.D56

Dipole antennas

7871.67.H54

High altitude platform systems

7871.67.L45

Lens antennas

7871.67.M5

Microstrip antennas

7871.67.M53

Microwave antennas

7871.67.M66

Monopole antennas

Optical antennas see TK8360.O65

7871.67.S65

Spiral antennas

Including circularly polarized antennas

7871.67.U45

Ultra-wideband antennas

(7871.674)

Detectors. Sensors

see TK7872.D48

7871.676

Intelligent sensors

Electroluminescent devices

7871.68

General works

Light-emitting diodes see TK7871.89.L53

Electroluminescent display systems see TK7882.I6

Electron tubes

7871.7

General works

Vacuum tubes

7871.72

General works

7871.73

Cathode ray tubes

7871.74

Klystrons

7871.75

Magnetrons

7871.76

Storage tubes

7871.77

Traveling-wave tubes

7871.79.A-Z

Other, A-Z

7871.79.G95

Gyrotrons

7871.79.K4

Kenotrons

7871.79.P4

Pentodes

7871.79.T7

Trochotrons

7871.79.X2

X-ray tubes

Electronics

Apparatus and materials -- Continued

Gas tubes

7871.8 General works
 7871.82 Mercury-arc rectifiers
 7871.83 Thyratrons
 7871.84.A-Z Other, A-Z
 7871.84.C6 Cold cathode tubes
 7871.84.N4 Neon tubes

Semiconductors

Class here works on semiconductor materials used in electronic engineering

For general works on the physical properties of semiconductor materials see QC610.9+

For specific semiconductor materials used in electronic engineering see TK7871.15.A+

7871.85 General works
 7871.852 Failures (General)

For specific semiconductors see TK7871.86+

Diodes

7871.86 General works
 7871.87 Tunnel diodes
 7871.88 Varactors
 7871.89.A-Z Other, A-Z
 7871.89.A94 Avalanche diodes
 7871.89.G84 Gunn diodes
 7871.89.L53 Light-emitting diodes
 7871.89.S35 Schottky-barrier diodes
 7871.89.S95 Switching diodes
 7871.89.Z46 Zener diodes

Electroluminescent devices see TK7871.68+

Integrated circuits see TK7874+

Transistors

7871.9 General works
 7871.92 Junction
 7871.95 Field effect
 7871.96.A-Z Other, A-Z
 7871.96.B55 Bipolar
 7871.96.M53 Microwave
 7871.96.T45 Thin film

Thermistors

7871.98 Thermistors

7871.99.A-Z Other, A-Z

7871.99.A45 Amorphous semiconductors

Cf. QC611.8.A5 Physics

7871.99.C45 Charge transfer devices. Charge coupled devices

7871.99.C65 Compound semiconductors

7871.99.M4 Metal insulator semiconductors

7871.99.M44 Metal oxide semiconductors

7871.99.O74 Organic semiconductors

7871.99.T5 Thyristors

7871.99.V3 Varistors

Optoelectronic devices see TK8300+

7872.A-Z Other, A-Z

Apparatus and components to be classed here unless otherwise provided for in the field of application

Capacitors see TK7872.C65

Charge transfer devices see TK7871.99.C45

7872.C56 Coils

Cold plates see TK7872.H4

Electronics

Apparatus and materials

Other, A-Z -- Continued

| | |
|----------|---|
| 7872.C65 | Condensers. Capacitors |
| 7872.C67 | Contactors |
| 7872.C68 | Contacts |
| 7872.C7 | Counters |
| 7872.C77 | Cryoelectronic devices |
| 7872.C8 | Current converters |
| 7872.C83 | Current regulators |
| 7872.D37 | Decoders |
| 7872.D4 | Delay lines |
| 7872.D48 | Detectors. Sensors. Sensor networks |
| | Infrared detectors see TA1573 |
| | Positioners see TJ223.P67 |
| | Voltage detectors see TK321 |
| | Intelligent sensors see TK7871.676 |
| | Metal detectors see TK7882.M4 |
| | Motion detectors see TK7882.M68 |
| | Proximity detectors see TK7882.P7 |
| | Optical detectors see TK8360.O67 |
| 7872.D53 | Dielectric devices |
| 7872.E45 | Electron gun |
| 7872.E7 | Equalizers |
| 7872.F4 | Ferrite devices |
| 7872.F44 | Ferroelectric devices |
| 7872.F5 | Filters (Electric) |
| 7872.F54 | Flexible electronics |
| 7872.F7 | Frequency changers |
| 7872.F73 | Frequency synthesizers |
| | Frequency-voltage converters see TK7872.V54 |
| 7872.F85 | Function generators |
| | Cf. TK7895.F8 Function generators (Computers) |
| 7872.G8 | Gunn effect devices |
| 7872.G9 | Gyrators |
| 7872.H3 | Hall effect devices |
| 7872.H4 | Heat sinks |
| | Including cold plates |
| 7872.I63 | Inductors |
| 7872.I65 | Inverters |
| 7872.L56 | Liquid crystal displays |
| 7872.L64 | Logic devices |
| 7872.M25 | Magnetic cores and devices |
| 7872.M3 | Masks |
| | Including microlithography |
| 7872.M46 | Membrane switches |
| 7872.M5 | Mixers |
| 7872.M6 | Modulators |
| 7872.M8 | Multiplexers |
| 7872.N4 | Negative-resistance devices |
| 7872.N6 | Noise generators |
| 7872.O7 | Oscillators |
| 7872.P38 | Phase-locked loops |
| 7872.P39 | Phase shifters |
| 7872.P54 | Piezoelectric devices |
| 7872.P6 | Potentiometer |

Electronics

Apparatus and materials

Other, A-Z -- Continued

7872.P75 Printed electronics
7872.P8 Pulse generators
7872.R35 Rectifiers
7872.R38 Relays
7872.R4 Resistors
Sensor networks see TK7872.D48
Sensors see TK7872.D48
7872.S5 Signal generators
7872.S8 Superconductors
7872.T55 Thin film devices
7872.T6 Transducers
7872.T7 Transformers
7872.T74 Transmission lines
7872.V53 Voltage dividers
7872.V54 Voltage-frequency converters
7872.V55 Voltage regulators

Microelectronics. Integrated circuits

For processes involving masks or microlithography see TK7872.M3

7874 General works
7874.5 Catalogs of microelectronic equipment
7874.53 Interconnects
7874.54 Lumped elements
7874.55 Integrated circuit layout
Integrated circuits, Three-dimensional see TK7874.893
7874.58 Testing. Measurement. Quality control
7874.6 Application-specific integrated circuits
7874.65 Digital integrated circuits
7874.654 Linear integrated circuits
7874.66 Low voltage integrated circuits
7874.7 Very high speed integrated circuits
7874.75 Very large scale integrated circuits
7874.76 Ultra large scale integrated circuits
7874.78 Radio frequency integrated circuits
7874.8 Molecular electronics

Nanoelectronics. Quantum systems

7874.84 General works
7874.843 Nanolithography
Including nanoimprint lithography
7874.845 Nanonetworks
7874.85 Nanowires
7874.88 Quantum dots
7874.885 Quantum systems control
7874.887 Spintronics
7874.888 Systems on a chip
7874.893 Three-dimensional integrated circuits
7874.9 Vacuum microelectronics
7875 Microelectromechanical systems

For devices applied to a specific field, see the field

For microharvesters, see TK2897

Microwaves

Including microwave circuits

7876 General works
Amplifiers see TK7871.2+

Electronics

Microwaves -- Continued

Heating see TK4601+

Transistors see TK7871.96.M53

Tubes see TK7871.7+

Waveguides see TK7871.65

7876.5

Millimeter waves

7877

Submillimeter waves

Including terahertz technology

Electronic measurements

7878

General works

7878.2

Time measurements

Electronic instruments

Cf. TK301+ Electric meters

7878.4

General works

Auxiliary equipment

7878.5

General works

7878.6

Probes

7878.7

Cathode ray oscillographs. Oscilloscopes

Voltmeters

7879

General works

7879.2

Vacuum tube voltmeters

7879.4

Frequency meters

Applications of electronics

7880

General works

7881

Industrial electronics

7881.15

Power electronics

Special power supply circuits see TK7868.P6

Special applications

7881.2

Electronic control

7881.25

Home automation

For home computer networks see TK5105.75

7881.3

Home entertainment systems

Cf. TK9961 Home video systems amateurs' manuals

Sound systems. Sound recording. Sound reproduction

For electroacoustics see TK5981+

7881.4

General works

7881.45

Sound studios

7881.5

Intercommunication systems

Magnetic tape recorders and recording

7881.6

General works

Cf. TK5981+ Electroacoustics

7881.65

Digital audiotape recorders and recording

7881.7

High fidelity systems

7881.75

Compact disc players

7881.78

Minidiscs and players

Stereo high fidelity systems. Quadraphonic sound systems

7881.8

General works

7881.83

Surround-sound systems

7881.85

Automobile sound systems and equipment

7881.9

Theaters, auditoriums, etc.

7881.94

Virtual reality

7882.A-Z

Other, A-Z

Class works here unless otherwise provided for in the field of application

7882.A37

Agriculture

7882.B56

Biometric identification

Electronics

Applications of electronics

Other, A-Z -- Continued

- 7882.C56 Compact discs
- Detectors, Metal see TK7882.M4
- Detectors, Motion see TK7882.M68
- 7882.D93 DVDs. DVD players
- 7882.E2 Eavesdropping. Electronic surveillance
 - For video surveillance see TK6680.3
- 7882.E44 Electronic paper
 - Facsimile transmission see TK6710+
- 7882.G35 Games
- 7882.I6 Information display systems
- 7882.M4 Metal detectors
 - Mobile communication systems see TK6570.M6
- 7882.M68 Motion detectors
- 7882.P3 Pattern recognition systems
 - Cf. TA1650+ Optical pattern recognition
- 7882.P7 Proximity detectors
- 7882.S3 Scanning systems
- 7882.S65 Speech processing systems
- 7882.S78 Stun guns
 - Telecommunication see TK5101+
- 7882.T47 Three-dimensional display systems
 - For three-dimensional video see TK6680.8.A15
 - For stereoscopic photography see TR780
- 7882.W44 Weighing systems
- Computer engineering. Computer hardware
 - Including design and construction
 - Cf. QA75.5+ Computers (General), electronic data processing, computer software, etc.
 - Cf. QA267+ Machinery theory
 - Cf. T58.6+ Industrial information systems
 - Cf. TJ212+ Control engineering
- 7885.A1 Periodicals, societies, congresses, etc.
- 7885.A2 Dictionaries and encyclopedias
- 7885.A4 Directories
- 7885.A5 History
- 7885.A6-Z General works
- Biography
 - 7885.2 Collective
 - 7885.22.A-Z Individual, A-Z
- 7885.4 Popular works
 - Amateurs' manuals for construction see TK9969
- 7885.5 Juvenile works
 - Computer engineering as a profession
- 7885.53 General
 - 7885.54 Computer technicians
- 7885.6 Study and teaching
- 7885.7 Hardware description languages
- 7886 Computer manufacturing plants. Manufacturing of computers and computer components
 - Including management
- 7887 Maintenance and repair
 - Including upgrading
- Input-output equipment
 - 7887.5 General works

Electronics

Applications of electronics

Computer engineering. Computer hardware

Input-output equipment -- Continued

Special

7887.55 Data tape drives
 7887.6 Analog-to-digital converters. Digital-to-analog converters
 7887.7 Printout equipment. Computer printers
 7887.8.A-Z Other equipment, A-Z
 7887.8.C6 Computer output microfilm devices
 7887.8.D37 Data disk drives
 7887.8.D5 Digital plotters
 Disk drives, Data see TK7887.8.D37
 7887.8.M63 Modems
 7887.8.R4 Reading machines
 7887.8.T4 Terminals
 7887.8.X18 XY plotters

7888 Analog computers

Digital computers

7888.3 General works

7888.4 Circuits

Including logic and switching circuits

7889.A-Z Special computers. By name, A-Z

7889.A37 AIM 65
 7889.A66 Apple II
 7889.A663 Apple IIe
 7889.A85 AT&T
 7889.B3 BBC microcomputer
 7889.B4 Besm
 7889.C2 CDC 6600
 7889.E5 ES 1020
 7889.F44 FELIX C-256
 7889.I26 IBM Personal Computer
 7889.I5 Illiac
 7889.M33 Macintosh
 7889.M55 Minsk
 7889.R4 REAC
 7889.S4 Seac
 7889.S7 Strela
 7889.S8 Swac
 7889.T77 TRS-80
 7889.U6 Univac
 7889.U7 Ural
 7889.W47 Whirlwind
 7889.Z54 Zilog Model Z-80
 7895.A-Z Special components and auxiliary equipment, A-Z
 7895.A5 Amplifiers
 7895.A65 Arithmetic units
 Associative storage see TK7895.M4
 7895.A8 Automatic test equipment
 7895.B33 Backplanes. Motherboards
 7895.B87 Buses
 Cache memory see TK7895.M4
 7895.C382 Cathode ray tube memory systems
 7895.C39 CD-ROMs. CD-ROM drives
 7895.C7 Cryotrons

Electronics

Applications of electronics

Computer engineering. Computer hardware

Special components and auxiliary equipment, A-Z -- Continued

- 7895.D28 Data loggers
- 7895.D3 Data tapes
- 7895.E42 Embedded computer systems
- 7895.E43 Embedded Internet devices
- 7895.E96 Expansion boards
- 7895.F8 Function generators
 - Cf. TK7872.F85 Function generators (Electronic instruments)
- 7895.G36 Gate array circuits
- Input-output equipment see TK7887.5+
- 7895.M3 Magnetic memory
- Memory cards see TK7895.S62
- 7895.M4 Memory systems
 - Including random access memory, read only memory, cache memory, associative storage, etc.
- 7895.M5 Microprocessors
 - Cf. TJ223.M53 Automatic control
- Motherboards see TK7895.B33
- 7895.O6 Optical equipment
- 7895.P3 Parametrons
- 7895.P38 PCMCIA cards
- 7895.P68 Power supply
- Random access memory see TK7895.M4
- Read only memory see TK7895.M4
- 7895.S54 Shift registers
- 7895.S62 Smart cards. Memory cards
- 7895.S65 Speech recognition systems
- 7895.T73 Transputers
- Optoelectronic devices. Photoelectronic devices
 - Including circuits manuals
 - For special applications, see the field of application, e.g. TR260.5 Electric eye cameras
 - For general works on optoelectronics see TA1750+
- 8300 Periodicals, societies, congresses, etc.
- 8304 General works
- Optical wave guides
- 8305 General works
- 8306 Optical fibers
- Photoemissive tubes. Phototubes
- 8308 General works
- 8312 Photodiodes
- 8314 Photomultipliers
- Imaging systems
- 8315 General works
- 8316 Image converters and intensifiers
 - Cf. TK8334 Solid-state image intensifiers
- Semiconductor devices
- 8320 General works
- 8322 Photovoltaic cells
 - For solar batteries see TK2960
- Photoconductive cells
- 8330 General works
- 8331 Photoresistors
- 8332 Phototransistors

Electronics

Optoelectronic devices. Photoelectronic devices

Semiconductor devices

Photoconductive cells -- Continued

8334

Solid-state image intensifiers

8360.A-Z

Other devices, A-Z

8360.L48

Light amplifiers. Optical amplifiers

8360.L5

Light modulators

8360.M53

Microresonators

8360.O65

Optical antennas

Optical amplifiers see TK8360.L48

8360.O67

Optical detectors

8360.O68

Optical MEMS. Micro-optomechanical systems

8360.O69

Optical tweezers

8360.P5

Photopotentiometer

(8404)

Optical data processing systems

see TA1630+

Plasmonics

8583

Periodicals, societies, etc.

8584

Congresses

8585

General works

Nuclear engineering. Atomic power

9001

Periodicals, societies, etc.

9006

Congresses

Exhibitions. Museums

9007.A1

General works

9007.A2-Z

By region or country, A-Z

Subarrange each country by Table T4b

9008

Collected works (nonserial)

9009

Dictionaries and encyclopedias

9012

Directories

Biography

9013

Collective

9014.A-Z

Individual, A-Z

9021-9127

Country divisions (Table T1a)

Add country number in table to TK9000

9145

General works

9146

Elements. Popular works

9148

Juvenile works

9149

Laboratory manuals

9151

Handbooks, tables, etc.

Radiation environment procedures and equipment

Cf. RA569 Radioactive substances and ionizing radiation in public health

Cf. TK9210+ Shielding

9151.4

General works

Remote handling

9151.6

General works

9151.7

Manipulators. Glove boxes

Accidents and their prevention. Nuclear safety

For accidents or safety of nuclear power plants in specific places see TK1341+

9152

General works

9152.13

Emergency planning

9152.14

Human factors

9152.15

Inspection

9152.16

Risk assessment

9152.163

Earthquake engineering

- Nuclear engineering. Atomic power
 - Radiation environment procedures and equipment
 - Safety measures -- Continued
 - 9152.1645 Security measures
 - 9152.165 Storage
 - Including temporary storage of discarded materials
 - For permanent disposal see TD898.17+
 - 9152.17 Transportation of radioactive substances
 - Cf. TD897.85+ Radioactive waste disposal
 - 9152.2 Decontamination. Decommissioning of facilities
 - Cf. RA569 Public health
 - Cf. S589.6 Agriculture
 - Cf. TD427.R3 Water pollution
 - Cf. TD887.R3 Air pollution
 - Cf. TD898.15+ Radioactive waste sites
 - 9152.5 Patents
 - 9153 General special
 - 9155 Addresses, essays, lectures
 - 9155.5 Nuclear engineering as a profession
 - Study and teaching
 - 9165 General works
 - 9165.5 Examinations, questions, etc.
 - United States
 - 9166 General works
 - 9167.A-Z Special schools. By place, A-Z
 - 9168.A-Z Other countries, A-Z
 - 9169.A-Z Special schools. By place, A-Z
 - Instruments. Nuclear reactor instrumentation
 - 9178 General works
 - 9180 Nuclear counters
 - Cf. QC787.C6 Counters
 - 9182 Neutron sources
 - 9183.A-Z Other special instrumentation, A-Z
 - 9183.S24 Safety instrumentation
 - 9183.T54 Thermometers
 - Materials
 - For reactor fuels, enrichment, reprocessing see TK9360+
 - For radioisotopes, radioactive substances see TK9400+
 - 9185.A1 Periodicals, societies, etc.
 - 9185.A2-Z General works
 - 9185.2.A-Z Special, A-Z
 - 9185.2.G73 Graphite
 - 9185.2.H33 Hafnium
 - 9185.2.L43 Lead
 - 9185.2.M66 Molybdenum
 - Nuclear reactors
 - For nuclear power plants for electricity see TK1341+
 - Fission reactors
 - 9202 General works
 - 9203.A-Z Special types, A-Z
 - 9203.A28 Accelerator-driven systems
 - 9203.B6 Boiling water reactors
 - 9203.B7 Breeder reactors
 - 9203.F3 Fast reactors
 - 9203.F5 Fluid fuel reactors
 - 9203.G3 Gas cooled reactors

- Nuclear engineering. Atomic power
 - Nuclear reactors
 - Fission reactors
 - Special types, A-Z -- Continued
 - 9203.H4 Heavy water reactors
 - 9203.L45 Light water reactors
 - 9203.L5 Liquid metal-cooled reactors
 - 9203.M65 Molten salt reactors
 - 9203.O7 Organic moderated reactors
 - 9203.P7 Pressurized water reactors
 - 9203.P8 Pulsed reactors
 - 9203.S6 Sodium graphite reactors
 - 9203.S65 Solid fuel reactors
 - 9203.S86 Superheating reactors
 - 9203.W37 Water-cooled reactors
 - 9204 Fusion reactors
 - 9207 Fuel elements
 - 9207.5 Fuel claddings
 - 9209 Moderators
 - Shielding
 - 9210 General works
 - 9211 Containment
 - 9211.5 Nuclear pressure vessels
 - 9211.7 Nuclear power piping
 - 9212 Cooling
 - 9220 Control rooms for nuclear facilities
 - 9230 Nuclear reactors for propulsion
 - Cf. TJ623 Nuclear locomotives
 - Cf. TL704.1 Atomic engines for aircraft
 - Cf. TL783.5 Nuclear rockets
 - Cf. VM774+ Marine nuclear reactor plants
- 9340 Particle accelerators
- 9350 Chemical processes. Radiochemistry
- Reactor fuels. Enrichment. Reprocessing
 - 9360 General works
 - 9363 Uranium as fuel
 - 9365 Plutonium as fuel
- Radioisotopes. Radioactive substances
 - 9400 General works
 - 9401 Catalogs, pricelists, etc.
- Electricity for amateurs. Amateur constructors' manuals
 - 9900 Periodicals, societies, etc.
 - 9901 General works
 - 9909 Magnetoelectric machines
 - 9911 Generators and motors
 - 9915 Transformers
 - 9917 Electric batteries
 - 9918 Solar batteries. Solar cells
 - 9921 Electric lighting and lamps
 - Cf. TT197.5.L34 Woodwork
 - Cf. TT897.2 Decorative crafts
 - Electric bells see TK7108+
 - Telegraph
 - 9941 General works
 - 9946 Wireless telegraph
 - 9951 Telephone

Electricity for amateurs. Amateur constructors' manuals -- Continued

Radio. Wireless telephone

9956

General works

9957

Microwave communication systems

Cf. TK5103.2+ wireless communication systems

Television

9960

General works

9961

Video tape recorders. Video recording. Home video systems

Cf. TR896+ Home video photography

9962

Satellite television. Home earth stations

Electronics (General)

9965

General works

9966

Integrated circuits

9967

Magnetic recorders and recording

9968

Sound systems

Including high fidelity and stereophonic systems

9969

Computers

Home computer networks, including amateurs' manuals see TK5105.75

9971

Electronic games and toys

Including video games

Motor vehicles. Aeronautics. Astronautics

Motor vehicles

Including automotive engineering

Cf. GV1020+ Automobile travel

Periodicals and societies

Arrange by language of publication

- 1 English
- 2 French
- 3 German
- 4 Other languages (not A-Z)
- (5) Yearbooks

see TL1+

- 6 Congresses

Exhibitions. Museums. Collectors and collecting

Cf. TL152.2 Restoration of automobiles

- 7.A1 General works
- 7.A2-Z By region or country, A-Z

Subarrange each country by Table T4b

- 8 Collected works (nonserial)
- 9 Dictionaries. Encyclopedias
- Communication of automotive information
- 10 General works
- 11 Computer network resources

Including the Internet

- 12 Directories
- 15 History. Pictorial works
- 21-127 Special countries (Table T1a)

Add country number in table to TL0

Including registers

Biography

- 139 Collective
- 140.A-Z Individual, A-Z

General works

Cf. TL200+ Automobiles

- 144 Early to 1890
- 145 1890-
- 146 Elementary textbooks
- 146.5 Popular works
- 147 Juvenile works
- 151 Manuals, pocketbooks, etc.

Motor vehicle operation. Automobile operation

Cost of operation

- 151.5 General works
- 151.6 Fuel consumption

Maintenance and repair

- 152 General works
- 152.15 Cleaning. Detailing
- 152.2 Restoration
- 152.25 Safety measures

Drivers

Including health and psychology

Cf. HD8039.A76+ Automobile driving as an occupation

Cf. HE5613.5+ Traffic accidents, safety, etc.

- 152.3 General works
- 152.35 Medical and psychological examination
- 152.4 Drivers' tests

Motor vehicles

Motor vehicle operation. Automobile operation -- Continued

Driving

- 152.5 General works
- Special countries
- 152.52 United States
- 152.55.A-Z Other countries, A-Z
- 152.58 Stunt driving
- Driver education
- 152.6 General works
- 152.65 Elementary and secondary school courses
- 152.66.A-Z By region or country, A-Z
- 152.7.A-Z Special methods and equipment, A-Z
- 152.7.D7 Driving simulators
- 152.8 Automatic control
 - Cf. TE228.3+ Intelligent transportation systems
- 153 Service stations
- 153.5 Lubrication and lubricants
- 153.7 Towing
- 154 General special
- 155 Addresses, essays, lectures
- 156 Study and teaching. Automobile schools
- 157 Examinations, questions, etc.
- 158 Research
- Automobile equipment and supplies
 - Including parts catalogs
 - Cf. TL240+ Design, construction and equipment
- 159 General works
- 159.5 Safety appliances. Air bags. Child seats. Seat belts
 - Cf. HE5620.S34 Seat belt use
 - Cf. TL242 Safety factors. Safety standards
- 160 Catalogs of dealers
 - For special motive powers see TL200+
- 162 Automobile purchasing. Buyers' guides
- 165 Motor vehicle fleets
- 175 Parking facilities
 - Including parking lots and parking garages
 - Cf. HE336.P37 Parking
- Special automobiles. By power
- 200 Steam automobiles
- Steam wagons, trucks, etc. see TJ705
- Gasoline automobiles
 - Where possible use TL144+
- 205 General works
- 206 Popular works. Juvenile works
- 207 Manuals, pocketbooks, etc.
- (208) Maintenance and repair
 - see TL152+
- 209 General special
- Construction details
- Motors. Engines
 - Cf. TJ782+ Internal combustion engines
- 210 General works
- 210.5 Two-stroke cycle engines
- 210.7 Wankel engines
- 212 Carburetors and carburetion

Motor vehicles

Special automobiles. By power

Gasoline automobiles

Construction details -- Continued

| | |
|----------|---|
| 213 | Ignition devices. Magnetos |
| 214.A-Z | Other, A-Z |
| 214.A4 | Air filters |
| 214.B43 | Bearings |
| 214.C35 | Camshafts |
| 214.C64 | Control systems |
| | Cooling system see TL214.R3 |
| 214.C73 | Crankshafts |
| 214.C93 | Cylinders. Cylinder heads. Cylinder blocks |
| 214.E93 | Exhaust systems |
| | Including exhaust manifolds |
| 214.F78 | Fuel injection systems |
| 214.F8 | Fuel systems |
| 214.G37 | Gaskets |
| | Low pollution combustion see TL214.P6 |
| 214.M68 | Motor mounts |
| 214.O5 | Oil system |
| 214.P57 | Pistons |
| 214.P6 | Pollution control devices. Low pollution combustion |
| | Cf. TD886.5 Automobile exhaust pollution |
| 214.R3 | Radiators. Cooling system |
| 214.S8 | Superchargers |
| 214.T55 | Timing belts. Timing chains |
| | Timing chains see TL214.T55 |
| 214.T87 | Turbochargers |
| 214.V3 | Valves |
| 215.A-Z | Special makes, A-Z |
| | Including catalogs, handbooks, etc. |
| 215.A235 | Acabion |
| 215.A35 | Alfa Romeo |
| 215.A75 | Aston Martin |
| 215.B25 | BMW |
| 215.B4 | Bentley |
| 215.B82 | Bugatti |
| 215.B84 | Buick |
| 215.C27 | Cadillac |
| 215.C44 | Challenger |
| 215.C443 | Chandler |
| 215.C48 | Chevelle |
| 215.C5 | Chevrolet |
| 215.C56 | Citroën |
| 215.C6 | Corvette |
| 215.F47 | Ferrari |
| 215.F69 | Focus |
| 215.F7 | Ford |
| 215.G4 | General Motors |
| 215.J3 | Jaguar |
| 215.L33 | Lamborghini |
| 215.L95 | Lykan HyperSport |
| 215.M34 | Maserati |
| 215.M465 | Mini |
| 215.M8 | Mustang |

Motor vehicles

Special automobiles. By power

Gasoline automobiles

Special makes, A-Z -- Continued

215.N35

Nano

215.O68

Optima

215.P68

Pontiac

215.R4

Renault

215.R445

Reva (Italy)

215.V544

Viper

215.V6

Volkswagen

216.5

Alternative fuel vehicles

217

Alcohol automobiles

Electric vehicles and their batteries, etc.

For special makes see TL215.A+

220

General works

221.13

Fuel cells for vehicles

221.15

Hybrid vehicles. Hybrid cars

222

Solar vehicles. Solar cars

223

Industrial vehicles and trucks

225

Compressed-air automobiles

Gas turbine automobiles

226

General works

227

Automotive gas turbines

228

Natural gas vehicles

For gas producer automobiles see TL229.G3

229.A-Z

Other, A-Z

229.A25

Acetylene

Alcohol see TL217

(229.A5)

Amphibious

see TL235.63

(229.C66)

Compressed natural gas

see TL228

229.D5

Diesel

229.G3

Gas producer

(229.G33)

Gases, Compressed

see TL228

229.H9

Hydrogen

229.L56

Liquid nitrogen

229.M48

Methyl ether

(229.N38)

Natural gas

see TL228

Nitrogen, Liquid see TL229.L56

Automobiles for freight, etc. Trucks

Including vans and sport utility vehicles

For steam wagons, trucks, etc. see TJ705

For truck-mounted campers and coaches see TL298

Cf. TL297.6 Truck trailers

230.A1

Periodicals, societies, etc.

230.A2-Z

General works

230.12

Pictorial works

230.15

Juvenile works

230.2

Maintenance and repair

Motor vehicles

Automobiles for freight, etc. Trucks -- Continued

230.3

Truck drivers, driver training and driving

Cf. HD7269.A+ Industrial hygiene and welfare of truck drivers

Cf. HD8039.A76+ Automobile driving as an occupation

Cf. HE5601+ Regulations and special problems

230.5.A-Z

Special types, makes, etc., A-Z

230.5.B68

BMW X3 sport utility vehicle

230.5.F54

Foden trucks

230.5.F57

Ford trucks

230.5.F6

Four Wheel Drive Vehicle

230.5.N57

Nissan trucks

230.5.W45

White trucks

Buses

Cf. HE5601+ Automotive transportation (economic aspects)

232

General works

232.2

Maintenance and repair

232.3

Bus drivers, driver training, and driving

232.5

Taxicabs

232.7

Limousines

Tractors

Cf. S711+ Transportation and power transmission machinery (Use on farms)

Cf. TJ700 Steam traction engines

233.A1

Periodicals, societies, etc.

233.A2-Z

General works

233.15

Juvenile works

233.2

Maintenance and repair

233.25

Conservation and restoration. Collectors and collecting

233.3

Tractor driving. Tractor pulling (Motorsports)

233.6

Special types, makes, etc., A-Z

233.8

Models

Tracklaying vehicles

For military tanks see UG446.5

234

General works

234.2

Snowmobiles

Cf. GV856.4+ Snowmobiling

235

Automobile trains

Off-road vehicles

Including off-road trucks and all terrain vehicles

For snowmobiles see TL234.2

For dune buggies see TL236.7

For trail bikes see TL441

235.6

General works

235.63

Amphibious vehicles

235.65.A-Z

Special makes, A-Z

235.7

Off-road vehicle driving

Including all terrain vehicle driving

235.8

Ambulances, hearses, etc.

Cf. RA995+ Ambulance service

Racing automobiles. Sports cars

Class here works on racing or sports cars in general and special makes of racing or sports cars

For special classes of racing automobiles, see the class, e.g., Sprint cars see TL236.27 , Rally cars see TL236.4 , Karts see TL236.5 , etc.

236

General works

236.15.A-Z

Special makes, A-Z

236.15.M35

McLaren

Motor vehicles -- Continued

- Dragsters
- 236.2 General works
- 236.23 Funny cars
- 236.25 Indy cars
- 236.265 Formula One automobiles
- 236.27 Sprint cars
- 236.28 Stock cars
- 236.3 Hot rods. Street rods
- 236.4 Rally cars
- 236.5 Karts
- 236.6 Midget cars
- 236.7 Dune buggies
 - Cf. GV1029.9.D8 Racing
- Models
 - Cf. GV1570 Model car racing
- 237 General works
- 237.2 Collectors and collecting
- Design, construction and equipment
 - Cf. TL210+ Motors
- 240 General works
- 240.2 Amateurs' manuals. Kit cars
- 240.5.A-Z Special materials, A-Z
 - For materials of a special component, see the component
- 240.5.A46 Alloys
- 240.5.A48 Aluminum
- 240.5.C65 Composite materials
- 240.5.G56 Glass
- 240.5.M33 Magnesium
- 240.5.P42 Plastics
- 240.5.S74 Steel
- 240.5.W64 Wood
- 241 Fires and fire prevention
- 242 Safety factors. Safety standards. Crashworthiness
- Dynamics
 - Including effect of soil mechanics
 - For traction see TL295
- 243 General works
- 245 Aerodynamics
- 245.2 Moments. Pitch. Yaw. Roll
- 245.5 Handling characteristics
- 245.8 Stability
- 246 Vibration. Noise
- 250 Human engineering in design
 - Including trucks, buses, etc.
- 253 Automotive drafting
- Special topics
 - Motors see TL210+
 - Frame. Chassis. Carriage body
- 255 General works
- 255.15 Bodies-in-white
- 255.2 Customizing. Decorating. Painting
- 255.6 Seats
- 255.8 Metalwork
- 256 Upholstery
- 256.5 Windows and windshields

Motor vehicles

Design, construction and equipment

Special topics -- Continued

Springs and suspension

257 General works

257.3 Air suspensions

257.5 Shock absorbers

259 Steering gear

Running gear. Power trains

260 General works

261 Clutches

Transmission devices

262 General works

263 Automatic transmission devices

264.A-Z Other transmission types, A-Z

264.C66 Continuously variable transmission devices

265 Transaxles

Brakes

269 General works

269.2 Air brakes

269.3 Antilock brake systems

269.36 Disc brakes

269.37 Drum brakes

270 Wheels and tires

Heating and ventilation equipment

271 General works

271.5 Air conditioning

272 Electric equipment. Batteries

Including starting, lighting and ignition devices, etc.

Cf. TK2921 Primary cells

Cf. TK2941 Storage batteries

Cf. TL213 Ignition

Cf. TL220+ Batteries for electric automobiles

Electronic equipment

272.5 General works

272.52 Collision avoidance systems

272.53 Computers

For engine control modules see TL214.C64

272.54 Automotive event data recorders

272.55 Display systems

Audio equipment see TK7881.85

272.57 Driver assistance systems

272.58 Telematics

273 Automobile headlights

274 Automobile horns

275 Other details

278 Manufacturing. Factory methods and equipment

278.5 Quality standards

Including QS-9000

280 Patents

285 Testing (General)

Including motor vehicle safety inspection. For emissions inspection, see TL214.P6

Cf. TL242 Safety factors in motor vehicle design and construction

290 Endurance tests

295 Traction. Skidding. Traction tests

Cf. TE450 Roads and pavements

- Motor vehicles -- Continued
- 296 Industrial power trucks
- 296.5 Loaders (Automotive)
- Trailers
 - Cf. GV198.5+ Trailer camping
 - Cf. TH4819.M6 Mobile home construction
 - Cf. TX1100+ Mobile home living
- 297 General works
- 297.2 Boat trailers
- 297.6 Truck trailers
 - Including piggyback trailers
- 298 Truck-mounted campers and coaches
- 390 Cyclecars
- Cycles
 - Cf. GV1040+ Cycling
- 400 General works
 - Including history
- 405 Early forms
 - Including velocipedes
- Bicycles and tricycles
 - Cf. HD9993.B54+ Bicycle industry
 - Cf. HE5736+ Bicycle transportation
- 410 General works
- 412 Juvenile works
- Motor bicycles see TL443
- Details. Parts
 - 414 General works
 - 415 Frame
 - 420 Driving gear
 - 422 Wheels
 - 425 Tires
 - 430 Repairs
 - 435 Catalogs and other trade publications
 - Including cycles
 - 437 Patents
 - Including cycles and motorcycles
 - 437.5.A-Z Special types, makes, etc., A-Z
 - 437.5.V45 Velomobiles
 - 438 Models
 - Including cycles and motorcycles
- Motorcycles
 - 439 Dictionaries
 - 439.5.A-Z By region or country, A-Z
 - 440 General works
 - 440.15 Juvenile works
 - 440.2 Motorcyclists
 - 440.5 Motorcycle riding
 - 441 Trail bikes. Dirt bikes
 - Racing motorcycles
 - Cf. GV1060+ Motorcycle racing
 - 442 General works
 - 442.5 Drag bikes
 - 442.7 Choppers and bobbers
 - Including home-built and customized motorcycles
 - 443 Motor bicycles
 - 444 Maintenance and repair

Cycles

Motorcycles -- Continued

- 444.2 Conservation and restoration. Collectors and collecting
- 444.5 Workshops and shop practice
- 445 Motors, etc.
- 448.A-Z Special types, makes, etc. A-Z
 - e.g.
 - 448.A47 Ariel
 - 448.B18 BMW
 - 448.C54 Cleveland
 - 448.D8 Ducati
 - 448.E44 Electric motorcycles
 - 448.H3 Harley-Davidson
 - 448.H6 Honda
 - 448.I5 Indian
 - 448.K38 Kawasaki
 - 448.M66 Moto Guzzi
 - 448.S8 Suzuki
 - 448.T7 Triumph
 - 448.Y3 Yamaha

Motor scooters

- 450 General works
- 453.A-Z Special makes, A-Z
 - 453.C87 Cushman
 - 453.H66 Honda
 - 453.L3 Lambretta
 - 453.T84 Tul'skii
 - 453.V47 Vespa

460

Autosleds

Roving vehicles (Astronautics)

- 475 General works
- 480 Moon cars
- 482 Coaster cars
 - Cf. GV1029.7 Soapbox racing, etc.
- 483 Pedal cars
- 484 Golf carts

Aeronautics. Aeronautical engineering

- Cf. GV750+ Air sports
- Cf. HD9711.3 Lighter-than-air craft industry (Economic aspects)
- Cf. HD9711.5 Aerospace industry
- Cf. HE9761+ Air transportation
- Cf. UG622+ Military aeronautics. Air warfare
- Cf. VG90+ Naval aeronautics. Naval air warfare

Periodicals, societies, yearbooks, etc.

- Cf. TL521+ Serial documents of special countries, e. g. TL521.A3-TL521.A35, U.S. National Advisory Committee for Aeronautics; TL526.G7A3-TL526.G7A4, Great Britain Aeronautical Research Council

International

- 500 General
- 500.5 International Civil Aviation Organization
 - Including technical material and general collections published by the organization that includes material of a technical nature
 - For administrative material see HE9762.5
- 501 English language
- 502 French language
- 503 German language

- Aeronautics. Aeronautical engineering
- Periodicals, societies, yearbooks, etc. -- Continued
- 504 Other, not A-Z by language
- 505 Congresses
- Exhibitions. Museums. Collectors and collecting
- 506.A1 General works
- 506.A2-Z By region or country, A-Z
 - Subarrange each country (except the United States) by Table T4b
 - United States
- 506.U5 General works
- 506.U6A-.U6Z Local, A-Z
- 507 Collected works (nonserial)
- 508 Scrapbooks
- 509 Dictionaries, encyclopedias, etc. Nomenclature. Symbols. Abbreviations
- Directories. Registers
- 512 General works
 - Registers of aircraft see HE9769.A+
- 512.7 Registers of pilots
- 513 Patents
- 514 Catalogs of materials and equipment (General)
- History
- 515 General works
- 516 Antiquities and legends
- Special regions or countries
 - Cf. TL539+ Biography
 - America. United States
- 521 General works
 - U.S. National Aeronautics and Space Administration (NASA)
 - For special space research centers see TL862.A+
 - For NASA launch complexes see TL4027.A+
- 521.3.A-Z Serials and collected sets, A-Z
 - e.g.
- 521.3.C6 Contractor report
- 521.312 Monographs
- 521.5 Regions
- 522.A-.W States, A-W
- 523 Canada
- 524.A-Z Latin America, Central America and West Indies. By country or island, A-Z
- 525.A-Z South America, A-Z
- 526.A-Z Europe, A-Z
 - e.g.
- 526.G7 Great Britain
- 527.A-Z Asia, A-Z
 - e.g.
- 527.I6 Indonesia
- 527.P4 Philippines
- 528.A-Z Africa, A-Z
- 529 Australia
- 529.5 New Zealand
- Pacific Islands
- 530.A1 General works
- 530.A5-Z Special islands, A-Z
- 531 Transoceanic flights
- 532 Arctic regions. Antarctica
- 537 Awards, prizes, etc. Competitions
 - Cf. TL721.5+ Air meets

- Aeronautics. Aeronautical engineering -- Continued
- 538 Badges, insignia, etc.
- Biography
- 539 Collective
- 540.A-Z Individual, A-Z
 - e.g.
 - 540.L5 Lindbergh
- General works
- 544 Early to 1900
 - Cf. TL516 Antiquities and legends
- 545 1900-
- 546 Textbooks
- 546.5 Examinations, questions, etc.
- 546.7 Popular works
- 547 Juvenile works
- 549 Pictorial works
- 551 Handbooks, pocketbooks, tables, etc.
- 551.5 High-speed aeronautics
 - For supersonic and transonic aerodynamics see TL571
 - For hypersonic aerodynamics see TL571.5
- 552 Civil aviation (Technology)
 - Cf. HE9761+ Air transportation
 - Cf. TL515+ History of aeronautics
 - Cf. TL664+ Use of airships
 - Cf. TL719.92+ Special uses of airplanes
- Miscellaneous aspects of the general subject
- 553 General works
 - Accidents and their prevention. Air safety
 - Cf. HE9784+ Air transportation
 - Cf. TL697.S3 Safety devices (General)
- 553.5 General works
 - By region or country
 - United States
 - 553.52 General works
 - 553.525.A-Z By region or state, A-Z
 - 553.53.A-Z Other regions or countries, A-Z
 - Geography and aviation see G142
 - Aviation risks in life insurance see HG8810
 - Aviation insurance see HG9972+
- 553.54 Aircraft bird strikes
 - For airport bird control see TL725.3.B5
- 553.55 Near misses
- 553.6 Human engineering in aeronautics
- 553.7 Survival after airplane accidents
- 553.8 Search and rescue
 - Survival and rescue adventures and narratives
 - 553.9.A1 Periodicals, societies, etc.
 - 553.9.A2-Z General works
- Aeronautics in art see N8217.A4
- (554) Aeronautics in literature
 - see class P
- Wit and humor see PN6231.A4

Aeronautics. Aeronautical engineering

Miscellaneous aspects of the general subject -- Continued

- 555 Physical and mental requirements for pilots
 - Including tests
 - For clinical aspects see RC1050+
 - Cf. RA615.2 Public health aspects
 - Cf. RA641.5 Transmission of disease
 - Cf. RA655+ Quarantine
- Meteorology in aeronautics. Aeronautical meteorology
- 556 General works
- 556.5 Study and teaching
- 557.A-Z Special, A-Z
- 557.A5 Air currents. Winds
- Atmospheric electricity see TL557.S65
- 557.A8 Atmospheric temperature
 - Cf. TL557.D4 Density altitude
- 557.C4 Charts
- 557.C6 Clouds
- 557.C7 Condensation trails
- 557.D4 Density altitude. Density altitude computers
- Density altitude computers see TL557.D4
- 557.F6 Fog control
- 557.H3 Hail
- 557.I3 Ice prevention
- 557.R4 Reporting and forecasting
- 557.S65 Static electricity. Atmospheric electricity
- 557.S7 Storms
- 557.V5 Visibility
- Winds see TL557.A5
- 557.V64 Volcanic ash
- 558.A-Z By region or country, A-Z
 - e.g.
 - 558.A1 General
 - 558.A5 Antarctica
 - 558.F8 France
 - 558.G4 Germany
- 559 Addresses, essays, lectures
- Study and teaching
 - Cf. LB1594.5 Elementary education
- 560 General works
- United States
 - 560.1 General works
 - 560.2.A-Z Special schools, A-Z
 - Employee training in factories
 - 560.25.A1 General works
 - 560.25.A2-Z By company, A-Z
 - 560.3.A-Z Other countries, A-Z
 - 560.4.A-Z Special schools, A-Z
 - Flying schools see TL713.A+
- 561 Aeronautics as a vocation
- 563 Electronic data processing
- Communication of aeronautics information
- 563.5 General works
- 564 Information services
- 564.5 Language. Authorship

Aeronautics. Aeronautical engineering -- Continued

Aeronautical research

Cf. UG640+ Military aeronautical research

- 565 General works
- Research equipment. Laboratory construction and layout
- 566 General works
- 567.A-Z Special, A-Z
- 567.B3 Balances
- 567.B33 Ballistic ranges
- 567.B4 Basins. Water channels
- 567.I6 Instruments
- 567.M6 Models for wind tunnel and water testing
- 567.N6 Nozzles
- 567.P6 Plane table
- 567.R47 Research aircraft
- 567.S4 Shock tubes
- 567.T6 Towing apparatus
- Water channels see TL567.B4
- 567.W5 Wind tunnels
- 568.A-Z Special institutions, A-Z
- Including research conducted by governments, universities or others
- For the research reports, transactions and other serial publications of such institutions see TL500+
- Mechanics of flight: Aerodynamics
- 570 General works
- 570.3 Dictionaries and encyclopedias
- 571 Supersonic aerodynamics (General)
- Including transonic aerodynamics
- For special topics see TL574.A+
- 571.5 Hypersonic aerodynamics (General)
- For special topics see TL574.A+
- Cf. TL683.5 Hypersonic planes
- 573 General special
- 574.A-Z Special topics, A-Z
- 574.A37 Aeroelasticity
- 574.A4 Aerofoils. "Profils d'ailes"
- 574.A44 Aeroservoelasticity
- 574.A45 Aerothermodynamics. Aerodynamic heating
- Aerodynamic heating see TL574.A45
- 574.B3 Base flow
- 574.B6 Boundary layer
- Burbling see TL574.T8
- 574.C3 Cascades
- 574.C4 Compressibility
- Compressibility burbles see TL574.T8
- 574.C6 Control
- Damping see TL574.S7
- 574.D6 Downwash
- 574.D7 Drag. Head resistance
- 574.F5 Flow
- 574.F6 Flutter
- 574.F7 Friction
- Ground cushion see TL574.G7
- 574.G7 Ground effect. Ground cushion
- Head resistance see TL574.D7
- 574.I5 Interference

- Aeronautics. Aeronautical engineering
 - Mechanics of flight: Aerodynamics
 - Special topics, A-Z -- Continued
 - 574.L3 Laminar flow
 - 574.L4 Leading edges
 - 574.L5 Lift. Thrust
 - 574.M3 Magnus effect
 - 574.M6 Moments. Pitch. Yaw. Roll
 - 574.N6 Noise
 - Oscillations see TL574.S7
 - Pitch see TL574.M6
 - 574.P7 Pressure. Pressure distribution. Wing load
 - Pressure distribution see TL574.P7
 - Resistance see TL574.D7
 - Resistance, Air see TL570+
 - Roll see TL574.M6
 - 574.S4 Shock waves
 - 574.S55 Sonic boom
 - 574.S6 Spinning
 - 574.S7 Stability. Oscillations. Damping
 - 574.S74 Stalling
 - Thrust see TL574.L5
 - 574.T8 Turbulence. Burbling
 - Including compressibility burbles
 - 574.U5 Unsteady flow
 - 574.V5 Vibration
 - 574.V6 Vortex theory
 - 574.W3 Wakes
 - Wing load see TL574.P7
 - Yaw see TL574.M6
 - 575 Natural flight
 - Cf. QL698.7 Flight of birds
 - 576 Soaring
 - 577 Hovering
 - 578 Aerostatics
 - Air navigation. Astronomy and navigation for air pilots
 - 586 General works
 - 587 Logbooks, maps, charts, tables, etc.
 - Cf. QB7+ Ephemerides
 - Special methods. Latitude and longitude
 - Cf. VK565 Navigation
 - 588 General works
 - 588.5 Inertial navigation
 - 588.7 Performance-based navigation
 - Instruments
 - 589 General works
 - 589.2.A-Z Special, A-Z
 - 589.2.A3 Accelerometers
 - 589.2.A5 Air-speed indicators
 - 589.2.A6 Altimeter
 - Anemometer see QC932
 - 589.2.A78 Artificial horizons
 - 589.2.A8 Autosyn indicator
 - 589.2.B3 Barograph
 - 589.2.C5 Cinemitrailleuse
 - 589.2.C58 Compass (Gyroscope)

Aeronautics. Aeronautical engineering

Instruments

Special, A-Z -- Continued

589.2.C6
589.2.D7
589.2.E2
589.2.F5
589.2.N3
589.2.O6
589.2.P7
(589.2.R2)

Compass (Magnetic)
Drift indicator
Earth inductor compass
Flight recorders
Navigation computer
Optical gyroscope
Pressure instruments
Radio compass

see TL696.C7

589.2.R3
589.2.S4
589.2.S7
589.2.T4
589.2.T5
589.2.T53
589.2.T8

Rate of climb indicator
Sextant
Stall warning systems
Tensionmeter
Theodolite
Thermometers
Turn and bank indicator

Display systems

589.3
589.35.A-Z
589.35.G46
589.35.H42
589.35.H44

General works
Special, A-Z
Geographical displays
Head-up displays
Helmet-mounted displays

Guidance systems and automatic control

Including general works on drone aircraft guidance and control systems

589.4
589.5

General works
Automatic pilots. Gyropilot

Engine instruments

589.6
589.7.A-Z
589.7.T3

General works
Special, A-Z
Tachometer

Sailing directions. Pilot guides see TL726+

Aircraft (General)

Including both lighter-than-air and heavier-than-air

600
603

General works
Identification marks and symbols

Cf. TL694.I4 Identification of aircraft by radar signal (IFF equipment)

Lighter-than-air. Aerostation

605

General works
Balloons

Including free spheric balloons

609
610
612
615

Periodicals, societies, etc.
General works
Accidents
General special

History

616
617

General works
Invention and early history to 1800
Including the Montgolfiers

618

1800-

Special ascensions. Special aeronauts. Personal narratives

620.A1
620.A2-Z

Collections
By name of aeronaut, A-Z
e.g.

Aeronautics. Aeronautical engineering

Aircraft (General)

Lighter-than-air. Aerostation

Balloons

Special ascensions. Special aeronauts. Personal narratives

By name of aeronaut, A-Z -- Continued

620.B6

Blanchard

620.F6

Flammarion

620.G6

Goddard, Eugene

620.G7

Green, Charles

620.L8

Lunardi

620.O7

Orlandi

620.P5

Piccard

620.R6

Robert brothers

Class here ascensions of the Robert brothers (Anne-Jean Robert, 1758-1820 and
Nicolas Louis Robert, 1761-1828)

620.S55

Silberer

620.T5

Tissandier

620.T6

Tournachon

621.A-Z

Special balloons, A-Z

622

Design and construction

623

Rigging

625.A-Z

Parts and equipment, A-Z

625.A6

Anchor

625.B2

Ballast

625.B3

Ballonet

625.B4

Basket

625.D7

Drag rope

625.E6

Envelope

Instruments see TL589+

625.N4

Net

625.R5

Rip panel

625.V3

Valves

Operations of free balloons

626

Instructions and textbooks

626.5

Licensing of balloon pilots

627

Use of free balloons

Cf. GV762+ Air sports and racing

Cf. QC879.3+ Meteorology

Cf. UG640+ Military aeronautics

630

Pilot balloons

631

Sounding balloons

Cf. QC879.3+ Meteorology

632

Jumping balloons and balloon jumping

633

Toy and propaganda balloons

Captive balloons

634

General and spherical

635

Kite balloons

636

Equipment for captive balloons

637

Use of captive balloons

Use in war see UG640+

638

Hot air balloons

Early history see TL616+

639

Miscellaneous projects

Including balloon railways

Airships

Aeronautics. Aeronautical engineering

Aircraft (General)

Lighter-than-air. Aerostation

Airships -- Continued

- 650 General works
- 650.5 Juvenile works
- 651 General special
 - Including discussions of the possibility of dirigibles, airships vs. airplanes, controversial material, safety, etc.
- 654.A-Z Special projects to 1900. By name of inventor, etc., A-Z
 - e.g.
 - 654.D8 Dupuy de Lôme
 - 654.G5 Giffard
- Modern airships
- 655 General works
- Pressure airships
- 656 General works
- 656.2 Nonrigid. Blimps
- 656.4 Semirigid
- 656.6 Metal-clad
- 657 Rigid airships
- 658.A-Z Special makes, A-Z
 - e.g.
 - 658.Z4 Zeppelin
- 659.A-Z Individual ships, A-Z. Special voyages. Personal narratives
 - e.g.
 - 659.A4 Akron
 - 659.G7 Graf Zeppelin
 - 659.H5 Hindenberg
- 660 Design and construction
- 660.1 Rigging
- 660.2 Strains and stresses
- 660.3 Performance. Performance calculation
- Testing
- 660.4 General works
- 660.5 Model testing
- Details and parts
- 661 General works
- 662.A-Z Special, A-Z
 - 662.B3 Ballast
 - 662.B7 Bow caps
 - 662.C3 Cars
 - 662.C6 Control compartment
 - 662.E6 Envelope
 - 662.F7 Frame
 - 662.G3 Gas cells
 - 662.K4 Keel
 - Motor see TL701+
 - Propellers see TL705+
 - 662.S7 Stabilizers
 - 662.S8 Steering apparatus
- 663 Operation of airships
- Use of airships
- 664 General works
- Transportation see HE9770.A4
- 664.2 War

Aeronautics. Aeronautical engineering

Aircraft (General)

Lighter-than-air. Aerostation

Airships

Use of airships -- Continued

664.3

Other

Cf. G599 Polar exploration

Materials and accessories for lighter-than-air craft

665

General works

666

Gas, hydrogen, helium. Inflation machinery

Other special see TL699.A+

Lighter-than-air craft industry (Technical aspects)

Cf. HD9711.3 Lighter-than-air craft industry (Economic aspects)

667

General works

668.A-Z

Special companies, A-Z

Heavier-than-air craft

Airplanes

Periodicals see TL500+

670

General works

History

For juvenile works see TL547

670.3

General works

670.5

Development of heavier-than-air craft before 1914

Including models and gliders

670.7.A-Z

Special projects before 1914, A-Z

e.g.

670.7.L3

Langley

670.7.M3

Maxim

General special

671

General works

For juvenile works see TL547

671.1

Airworthiness requirements. Specifications. Standards

Collectors and collecting see TL506.A1+

671.2

Design and construction

671.25

Drafting and blueprint reading

671.28

Manufacturing. Factory equipment and methods

Cf. HD9711+ Airplane industry

Cf. TL724+ Airplane industry (Technical aspects)

671.3

Monoplane, biplane, multiplane characteristics (Comparative)

671.4

Performance. Performance calculation. Handling characteristics

671.5

Rigging, bracing, welding, etc.

Stability see TL574.S7

671.6

Structural analysis and design of air frames

671.65

Noise

Cf. TD893.6.A57 Noise control

671.7

Testing. Inspection

671.8

Model testing

671.85

Purchasing

671.9

Maintenance and repair

671.95

Conservation and restoration

Details and parts

Supporting surfaces

672

General works

673.A-Z

Special, A-Z

673.A6

Angle of incidence

673.C3

Camber

Aeronautics. Aeronautical engineering

Aircraft (General)

Heavier-than-air craft

Airplanes

Details and parts

Supporting surfaces

Special, A-Z -- Continued

673.C35

Canard wings

673.C7

Cruciform wings

673.D4

Decalage

Delta wings see TL673.T7

673.D5

Dihedral angle

673.D8

Duct inlets

673.F6

Flaps

673.G3

Gap

673.O23

Oblique wings

673.O4

Ogee wings

673.O8

Overhang

673.P37

Parawings

673.R4

Rectangular wings

673.S4

Section

Shielding see TL673.T4

673.S6

Slotted wings

673.S7

Stagger

673.S9

Sweepback

Taper see TL673.T4

673.T4

Tips of wings. Taper. Shielding

673.T7

Triangular wings. Delta wings

673.W3

Washin and washout

674

Structural parts and details

Including ribs, spars, struts, wires, etc.

675

Folding wings

Control and stabilizing surfaces

676

General works

677.A-Z

Special, A-Z

677.A5

Ailerons

677.E6

Elevators

677.F5

Fins. Vertical stabilizer

677.R8

Rudder

677.S8

Stabilizer. Tailplane

Tailplane see TL677.S8

Control apparatus. Control stick

678

General works

678.5

Fly-by-wire systems

678.8

Wing-warping

Fuselage

680

General works

681.A-Z

Special, A-Z

681.A5

Air conditioning

681.C3

Cabin

681.C6

Cockpit

681.C7

Cowling

681.F5

Firewall

681.H4

Heating

681.I6

Instrument board

Instruments see TL589+

Aeronautics. Aeronautical engineering

Aircraft (General)

Heavier-than-air craft

Airplanes

Details and parts

Fuselage

Special, A-Z -- Continued

681.L6

Longerons

681.P7

Pressurization

681.S6

Soundproofing

681.W5

Windshields

681.5

Nacelles

Landing gear. Undercarriage

682

General works

683.A-Z

Special, A-Z

683.A35

Air cushion landing systems

683.A8

Axles

683.B7

Brakes

Landing gear for use on snow see TL683.S6

683.R4

Retractable landing gear

683.S4

Shock absorbers

683.S5

Skids. Wing and tail skids

683.S6

Skis. Landing gear for use on snow

683.T5

Tires

683.W5

Wheels

Wing and tail skids see TL683.S5

683.3

Electric airplanes

For electrical systems and equipment see TL690+

683.5

Hypersonic planes

Seaplanes

Cf. TL711.S43 Seaplane flying

684

General works

684.1

Amphibians

684.2

Flying boats. Hulls

684.3

Floatplanes. Floats

684.4

Biplanes

684.5

Triplanes

684.6

Tailless airplanes

684.8

Flying automobiles

685

Convertiplanes. Vertically rising aircraft

Airplanes for special uses

685.1

Light (or sport). Private planes

Cf. HE9795+ Economic aspects

Cf. TL721.4 Private flying

685.15

Ultralight aircraft

685.2

Mailplanes

685.3

Military planes

Class here works on the manufacture, testing, and restoration of military airplanes

For markings, procurement, and use in warfare see UG1240+

685.35

Drone aircraft

For drone aircraft guidance and control systems see TL589.4+

For military uses of drone aircraft see UG1242.D7

Passenger planes

Cf. HE9787+ Passenger service

685.4

General works

685.5.A-Z

Special equipment, etc., A-Z

- Aeronautics. Aeronautical engineering
 - Aircraft (General)
 - Heavier-than-air craft
 - Airplanes
 - Airplanes for special uses
 - Passenger planes
 - Special equipment, etc., A-Z -- Continued
 - 685.5.I6 Interior decoration
 - 685.5.R4 Restaurant
 - 685.5.S4 Seats
 - 685.5.S6 Sleeping accommodations
 - 685.6 Racing planes
 - 685.7 Transport planes. Cargo planes
 - Cf. HE9761+ Air transportation (Economic aspects)
 - Special makes. By name of manufacturer, A-Z
 - e.g.
 - 686.A43 Airbus
 - 686.A77 Auster aircraft
 - 686.B65 Boeing Aircraft Company
 - 686.B68 Bréguet
 - 686.C27 Caproni
 - 686.D4 De Havilland Aircraft Company
 - 686.D65 Douglas Aircraft Company
 - 686.L6 Lockheed Aircraft Corporation
 - 686.R7 Rozhdestvenskii
 - 686.S7 Stearman
 - Airplane materials and accessories
 - General works
 - Special materials see TL699.A+
 - Flying machines other than airplanes
 - see TL714+
- 689 Radioisotope technology and components
- Electrical systems and equipment
 - 690 General works
 - 690.5 Electromagnetic interference in aeronautics
 - 691.A-Z Special, A-Z
 - 691.A95 Auxiliary power supply
 - 691.B3 Batteries
 - 691.G4 Generators
 - 691.L3 Landing lights
 - 691.M3 Magnetic recorders
 - 691.N3 Navigation lights
 - Radio see TL693+
 - Radio see TL695+
 - 691.S4 Searchlights
 - 691.W5 Wiring
- 692 Communication methods and equipment
 - General special
 - Including signaling, etc.
 - Electronic methods and equipment. Telegraph. Radio. Radar. Television
- 693 General works
- 694.A-Z Special, A-Z
 - 694.A6 Antennas
 - Bonding see TL694.I6
 - 694.C6 Cipher and telegraph codes

- Aeronautics. Aeronautical engineering
 - Communication methods and equipment
 - Electronic methods and equipment. Telegraph. Radio. Radar. Television
 - Special, A-Z -- Continued
- 694.I4 Identification
 - Including IFF (Identification - Friend or Foe)
- 694.I5 Inspection
- 694.I6 Interference. Bonding. Shielding
- 694.R4 Receiving
 - Shielding see TL694.I6
- 694.T35 Telemetry
- 694.T4 Teletype
- 694.T7 Transmitting
- Electronic aids to navigation. Radio. Radar. Television
 - General works
 - Directories of radio stations
 - Special, A-Z
 - Altimeter see TL696.H4
 - 696.A77 Artificial satellites
 - 696.B4 Beacons
 - 696.B5 Beacon receiver
 - 696.C6 Collision prevention
 - 696.C7 Radio compass
 - 696.C75 Control tower display systems
 - 696.C8 Course computers. Course-line computers, etc.
 - 696.D5 Direction finders
 - 696.D6 Distance indicator
 - 696.D65 Distance measuring equipment (Aircraft to ground station)
 - Field and runway localizer see TL696.L3
 - Glide path systems see TL696.L33
 - 696.G7 Ground-speed indicator
 - 696.H4 Height indicator. Altimeter
 - 696.I5 Inspection
 - 696.L3 Landing aids
 - 696.L33 Instrument landing systems
 - Including ground controlled approach, etc.
 - Cf. TL711.B6 Blind flying
 - Cf. TL711.L3 Landing
 - 696.L65 Loran
 - 696.M3 Markers
 - 696.O5 Omnirange system
 - 696.R2 Radar
 - 696.R25 Radar air traffic control systems
 - 696.R3 Range
 - 696.T3 Tacan
- Miscellaneous equipment and apparatus
 - General works
 - Special, A-Z
 - Air ducts
 - Bearings
 - Clothing for pilots
 - Cf. TL697.G6 Goggles
 - Cf. TL697.P7 Pressure suits
 - 697.C65 Compressors
 - 697.F37 Fasteners

| | |
|---------|---|
| | Aeronautics. Aeronautical engineering |
| | Miscellaneous equipment and apparatus |
| | Special, A-Z -- Continued |
| 697.F5 | Fire prevention |
| | Cf. TH9445.A5 Fire hazards of hangars |
| 697.G6 | Goggles |
| 697.H4 | Heat pipes |
| 697.H44 | Helmets |
| 697.H9 | Hydraulic equipment |
| | Ice prevention see TL557.I3 |
| 697.L3 | Landing flares |
| 697.L34 | Lasers |
| | Military equipment (General and Army) see UG1240+ |
| | Military equipment (Navy) see VG90+ |
| 697.O65 | Optical equipment |
| 697.O8 | Oxygen equipment |
| | Photographic equipment see TR1+ |
| 697.P5 | Pilot ejection seats |
| 697.P6 | Pneumatic equipment |
| 697.P7 | Pressure suits |
| 697.S3 | Safety devices (General) |
| | Cf. TL750+ Parachutes |
| 697.S8 | Stabilizing devices |
| | Materials of construction |
| 698 | General works |
| 699.A-Z | Special, A-Z |
| 699.A58 | Alloys |
| 699.A6 | Aluminum |
| | Including alloys |
| 699.A8 | Asbestos |
| 699.C44 | Cellulose acetate |
| 699.C46 | Ceramic materials |
| 699.C57 | Composite materials |
| 699.C6 | Copper |
| | Including alloys |
| 699.D6 | Dopes |
| 699.D9 | Duralumin |
| 699.F2 | Fabrics |
| 699.F5 | Finishes |
| 699.G6 | Glue |
| 699.G85 | Gums and resins, Synthetic |
| 699.L23 | Laminated materials |
| | Laminated wood see TL699.W7 |
| 699.L3 | Lautal |
| 699.M32 | Magnesium |
| 699.M4 | Metals |
| 699.P6 | Plastics |
| | Plywood see TL699.W7 |
| 699.P7 | Potting compounds |
| | Resins, Synthetic see TL699.G85 |
| 699.R8 | Rubber |
| 699.S7 | Spruce |
| 699.S8 | Steel |
| | Including alloys |
| | Timbers see TL699.W6 |
| 699.T56 | Titanium |

| | |
|---------|---|
| | Aeronautics. Aeronautical engineering |
| | Materials of construction |
| | Special, A-Z -- Continued |
| 699.T8 | Tubes |
| 699.W5 | Wire |
| 699.W6 | Wood. Timbers |
| 699.W7 | Wood, Laminated. Plywood |
| | Motors. Aircraft engines |
| 701 | General works |
| 701.1 | General special |
| 701.2 | Influence of altitude |
| 701.3 | Distributed propulsion |
| 701.4 | Installation |
| 701.5 | Maintenance and repair. Inspection |
| 701.6 | Performance |
| 701.7 | Specifications. Standards |
| 701.8 | Testing |
| | Details and parts |
| 701.9 | General |
| 702.A-Z | Special, A-Z |
| 702.A37 | Actuators. Control systems |
| 702.C3 | Carburetors |
| 702.C5 | Connecting rods |
| | Cooling system see TL702.R3 |
| 702.C6 | Cowlings |
| 702.C7 | Crankshafts |
| 702.C9 | Cylinders |
| 702.F8 | Fuel feeding and tanks |
| 702.G4 | Gearing |
| 702.I5 | Ignition devices. Magnetos |
| 702.L8 | Lubrication |
| | Magnetos see TL702.I5 |
| 702.M8 | Mufflers |
| 702.O55 | Oil filters |
| | Opening and closing system see TL702.V3 |
| 702.P5 | Pistons |
| 702.R3 | Radiators. Cooling system |
| 702.S7 | Starting devices |
| 702.S8 | Superchargers |
| 702.V3 | Valves. Opening and closing system |
| 703.A-Z | Special makes, A-Z |
| | e.g. |
| 703.D4 | De Havilland |
| 703.H5 | Hispano-Suiza |
| | Engines other than gasoline |
| 704 | General works |
| 704.1 | Atomic engines |
| 704.2 | Diesel engines |
| 704.4 | Steam engines for aircraft |
| 704.6 | Model engines |
| 704.7 | Fuel for aircraft engines |
| | Cf. TL711.J4 Jettisoning of fuel |
| | Cf. TL711.R4 Refueling |
| | Propellers. Airscrews |
| 705 | General works |
| 706.A-Z | Special, A-Z |

Aeronautics. Aeronautical engineering

Propellers. Airscrews

Special, A-Z -- Continued

- 706.A2 Abrasion
- 706.B3 Balancing. Flutter
- 706.E8 Etching
- Flutter see TL706.B3
- 706.I6 Interference
- 706.N6 Noise
- 706.P4 Performance. Performance calculation
- 706.P8 Pusher vs. tractor
- 706.S4 Slip
- 706.S5 Slip stream
- 706.S6 Specifications. Standards
- Standards see TL706.S6
- 706.S7 Strains and stresses
- 706.T4 Testing
- 706.T5 Thrust
- 706.V4 Vibration
- 707.A-Z Details and parts, A-Z
- 707.B6 Blade section and form
- 707.B7 Boss
- 707.G4 Gear
- 707.H8 Hub
- 707.P5 Pitch, Adjustable and controllable
- 707.S6 Spinner
- 707.T5 Tipping

Nuclear power plants. Nuclear propulsion for aircraft

Cf. TL704.1 Atomic engines, propeller engine systems

Cf. TL783.5 Nuclear rockets, propulsion systems

- 708.A1 Periodicals, societies, etc.
- 708.A2-Z General works
- 708.3.A-Z By region or country, A-Z

Jet propulsion. Jet engines

For rocket propulsion see TL780+

- 709 General works
- 709.3.A-Z Special types, A-Z
- 709.3.R3 Ramjet engines
- 709.3.S37 Scramjet engines
- 709.3.T8 Turbine-propeller engines
- 709.3.T82 Turbofan engines
- 709.3.T83 Turbojet engines
- 709.5.A-Z Details and parts of jet engines, A-Z
- Air intakes or inlets see TL709.5.I5
- 709.5.B4 Bearings
- 709.5.B6 Blades
- 709.5.C55 Combustion chambers
- 709.5.C56 Compressors
- 709.5.C57 Control systems
- 709.5.C6 Cooling systems
- 709.5.D5 Diffusers
- 709.5.F8 Fuel systems
- 709.5.H42 Heating regenerators
- 709.5.I5 Intakes or inlets for air
- 709.5.N68 Nozzles
- Roller bearings see TL709.5.B4

- Aeronautics. Aeronautical engineering
 - Jet propulsion. Jet engines
 - Details and parts of jet engines, A-Z -- Continued
 - 709.5.S8 Starting devices
 - 709.5.T5 Supersonic intakes or inlets see TL709.5.I5
 - 709.5.T87 Thrust reversers
 - Turbines
 - Operation of airplanes. Flying
 - 710 General works
 - Including textbooks and instruction books
 - 711.A-Z Special, A-Z
 - Aerobatics see TL711.S8
 - 711.A5 Airspeed
 - 711.A6 Altitude flying
 - Cf. TL555 Physical and mental requirements for pilots
 - 711.A7 Special altitude flights
 - Arrange by date
 - 711.B6 Blind flight. Instrument flying
 - 711.B88 Bush flying
 - 711.C64 Cold weather operation
 - Cross-country flying see TL711.L7
 - 711.D4 Dispatching
 - 711.D5 Ditching
 - 711.D7 Dropping of cargo
 - 711.E57 Emergency maneuvers
 - 711.E6 Endurance flights
 - 711.F47 Ferrying
 - Formation flying, Military see UG632.2+
 - 711.H65 Holding patterns
 - 711.I47 Intercepting other aircraft
 - Instrument flying see TL711.B6
 - 711.J38 Jet flying
 - 711.J4 Jettisoning of fuel
 - 711.L3 Landing
 - Cf. TL696.L3 Radio
 - 711.L6 Loading
 - 711.L7 Long distance flying. Cross-country flying
 - 711.M68 Mountain flying
 - Multiengine flying see TL711.T85
 - 711.N5 Night flying
 - 711.O26 Ocean flying. Overwater flying
 - Overwater flying see TL711.O26
 - 711.R4 Refueling
 - 711.S43 Seaplane flying
 - 711.S5 Single heading
 - 711.S8 Stunt flying. Aerobatics
 - 711.T28 Taildragger flying
 - 711.T3 Takeoff
 - 711.T85 Twin-engine flying. Multiengine flying
 - Flight training
 - 712 General works
 - 712.5 Flight simulators and trainers
 - 712.8 Computer flight games
 - For war games see U310+
 - Cf. GV1469.15+ Computer games
 - Cf. TL1088 Space flight computer simulation

- Aeronautics. Aeronautical engineering
- Operation of airplanes. Flying -- Continued
- 713.A-Z Flying schools. By place, A-Z
- 713.5 Flying clubs
- Flying machines other than airplanes
 - Including experimental models, but not toy models
 - For drone aircraft guidance and control systems see TL589.4+
- 713.7 Lifting bodies
- Rotor aircraft
- 714 General works
- 715 Autogiros
- Helicopters
 - Cf. TL685 Convertiplanes. Vertical takeoff and landing aircraft
 - Cf. UG1230+ Military helicopters
- 716.A1 Periodicals, societies, etc.
- 716.A2-Z General works
- 716.2 Juvenile works
- 716.5 Operation of helicopters
- 716.9.A-Z Special makes. By name of manufacturer, A-Z
- 717 Ornithopters. Winged flight
- 717.5 Personal propulsion units. Rocket belts. Jet belts
- 718 Other
- Special uses of airplanes
- Civil aviation (Technology) see TL552
- Transportation (Technology)
 - For economic aspects see HE9761+
- 720 General works
- 721.A-Z Special flights, A-Z
 - For collected flights over an individual country see TL521+
 - For collected flights overseas see TL531
 - Cf. TL539+ Biography
- 721.B3 Balbo
- 721.B5 Blériot
- 721.B7 Bremen
- 721.B83 Buck
- 721.C5 Chichester
- 721.C6 Cobham
- 721.C65 Costes
- 721.E3 Earhart
- Gatty and Post see TL721.P6
- 721.K5 Kingsford-Smith
- Lindbergh see TL540.L5
- McIntosh and Parer see TL721.P27
- 721.M35 McMillan-Kidby
- 721.M443 Miranda and Tejada
- 721.P27 Parer and McIntosh
- 721.P6 Post and Gatty
- 721.R54 Rodgers
- Rutan and Yeager see G445
- 721.S63 Smith, Dick
- 721.U58 U.S. Army Round-the-rim flight
- 721.U6 U.S. Army world flight
- Yeager see TL551.5
- 721.1 Exploration. Mountain climbing
 - For special localities see TL521+
 - Cf. G599 Aircraft for polar exploration

- Aeronautics. Aeronautical engineering
- Special uses of airplanes -- Continued
- (721.2) Surveying and mapping
 - see TA593
- (721.3) Aerial photography
 - see TR810
- 721.4 Private flying
 - For sports flying see GV758+
- Air meets
- 721.5 General works
 - Races see GV759+
- 721.6.A-Z Special meets, A-Z
- Use of airplanes in various industries
- 722 General works
- (722.1) Agriculture
 - see S494.5.A3
- 722.2 Fisheries and whaling
- (722.3) Forestry, fire patrol
 - see SD387.A3
- 722.4 Mining. Prospecting
- 722.5 Use of airplanes for advertising
 - Including flying exhibits, flying signboards, voice of the air, skywriting, and distribution of literature
- 722.8 Use of airplanes for humanitarian purposes. Lifesaving at sea
 - Cf. RA996.5+ Aeronautics and medicine
 - Cf. TL553.8 Search and rescue
- 723 Government uses of airplanes
 - For airmail (general) see HE6238
 - For airmail (U.S.) see HE6496
 - For war see VG90+
- Airplane industry (Technical aspects)
 - Including management
 - Cf. TL671.28 Manufacturing. Factory equipment and methods
- 724 General works
 - For trade directories see TL512+
- 724.5.A-Z Special companies, A-Z
- Airways (Routes). Airports and landing fields. Aerodromes
 - Including air pilot guides
 - Cf. HE9797+ Air transportation
 - Cf. UG622+ Military aeronautics
 - Cf. VG90+ Naval aeronautics
- 725.A1 Periodicals, societies, etc.
- 725.A2-Z General works
- 725.15 Juvenile works
- 725.2 Specifications
- 725.3.A-Z Special topics, A-Z
 - 725.3.A2 Access to airports
 - 725.3.A59 Airport aprons
 - 725.3.A6 Areas, Danger
 - 725.3.B5 Bird control
 - For aircraft bird strikes see TL553.54
 - 725.3.B8 Buildings
 - Cf. TL725.3.R4 Repair shops
 - 725.3.C3 Camouflage
 - 725.3.C6 Cold weather conditions
 - 725.3.C63 Communication systems

- Aeronautics. Aeronautical engineering
- Airways (Routes). Airports and landing fields. Aerodromes
- Special topics, A-Z -- Continued
- 725.3.C64 Control towers
- 725.3.D35 Defense measures. War damage
- 725.3.D4 Dispatching of airplanes
 - Cf. TL725.3.T7 Traffic control
- 725.3.D7 Drainage
- 725.3.E43 Electric equipment
- 725.3.E6 Equipment
 - Fire prevention and extinction see TH9445.A5
 - Fog control see TL557.F6
- 725.3.F73 Free flight
- 725.3.G6 Government operation and support
- 725.3.I6 Intra-airport transportation
- 725.3.L2 Landing aids
 - Cf. TL691.L3 Landing lights (Aircraft)
 - Cf. TL696.C75 Control tower display systems (Electronic)
 - Cf. TL696.L3 Landing aids (Electronic)
 - Cf. TL725.3.L5 Lighting (Airports)
 - Cf. TL725.3.T7 Air traffic control
- 725.3.L3 Landing fees
- 725.3.L5 Lighting
- 725.3.L6 Location
- 725.3.M16 Maintenance and repair
- 725.3.M2 Management
- 725.3.M3 Marking
 - Meteorology see TL556+
- 725.3.M63 Models
- 725.3.N6 Noise
- 725.3.P3 Passenger accommodations
- 725.3.P35 Pavements
- 725.3.P5 Planning
- 725.3.P55 Pneumatic equipment
- 725.3.P67 Power plants
- 725.3.P7 Private aircraft
- 725.3.R3 Radiation safety
- 725.3.R4 Repair shops
- 725.3.R8 Runways
- 725.3.S34 Safety measures
- 725.3.S44 Security measures
- 725.3.S47 Signs and signboards
- 725.3.S5 Size
- 725.3.S6 Soils
- (725.3.T5) Time schedules, etc., for making timetables. Slot allocation
 - see HE9797.4.S56
- 725.3.T7 Traffic control
 - Cf. TL696.C75 Control tower display systems (Electronic)
 - Cf. TL696.R25 Radar air traffic control systems
 - War damage see TL725.3.D35
- 725.3.Z6 Zoning
- 725.5 Heliports
 - For special places see TL726+
- 725.6 Seaplane bases
 - For special places see TL726+

Aeronautics. Aeronautical engineering

Airways (Routes). Airports and landing fields. Aerodromes -- Continued

725.7

Floating airports

For special places see TL726+

725.8

Aircraft carriers

Cf. V874+ Vessels

Special countries

726

General works

726.15

General special

Including Plymouth to Basra, and transpacific routes, etc.

United States

726.2

General works

726.3.A-W

States, A-W

726.4.A-Z

Cities, A-Z

Other countries

America (except United States)

726.5.A1

General works

726.5.A2-Z

Individual countries, A-Z

Subarrange each country by Table T4a

Europe

726.6.A1

General works

726.6.A2-Z

Individual countries, A-Z

Subarrange each country by Table T4a

Asia

726.7.A1

General works

726.7.A2-Z

Individual countries, A-Z

Subarrange each country by Table T4a

Africa

726.8.A1

General works

726.8.A2-Z

Individual countries, A-Z

Subarrange each country by Table T4a

726.85

Australia

726.87

New Zealand

726.9

Pacific islands

Beacons for aircraft

Cf. TL725.3.L5 Airport lighting

727

General works

Radio beacons see TL696.B4

Hangars

730

General works

Cf. TH9445.A5 Fire prevention

730.1

General special

730.2

For airships

730.3

For airplanes

731

Mooring masts

732

Launching machinery. Catapults, etc.

733

Apparatus for picking up and delivering goods, etc., during flight

Parachutes

Historical and early works, including parachutes used from balloons for exhibition and other purposes

For sport parachuting see GV769.5+

750

General works

751.A-Z

Special jumpers, A-Z

Modern parachutes

752

General works

752.5

Juvenile works

Aeronautics. Aeronautical engineering

Parachutes

Modern parachutes -- Continued

- 753 General special
- 754.A-Z Special makes, A-Z
- 755 Personal narratives
- 758 Parachutes to carry airplanes

Kites

For sport and competitions see GV769

- 759.A1 Periodicals, societies, etc.
- 759.A6-Z General works
- History
 - 759.3 General works
 - 759.4.A-Z By region or country, A-Z
 - 759.5 Juvenile works
 - 759.6.A-Z Special types of kites, A-Z
 - 759.6.F54 Fighter kites
 - 759.6.P3 Parakites
 - 759.7 Uses of kites (General)
 - Cf. QC879.3+ Meteorology
 - Cf. TR810 Photography from kites

Gliders. Gliding and soaring

- 760.A1 Periodicals, societies, etc.
- General works
 - 760.A2 Early to 1903
 - 760.A3-Z 1903-
 - 760.4.A-Z By region or country, A-Z
 - 760.5 Air meets
 - 761 General special
 - 762 Design and construction
 - 765 Operation of gliders. Launching. Gliding. Soaring
 - 766 Equipment
 - 769 Human powered aircraft

Models

Including model airplanes for hobbyists

For experimental models prior to 1914 see TL670.5

Cf. GV760+ Flying and racing of model airplanes

- 770.A1 Periodicals, societies, etc.
- 770.A2-Z General works
- 772 Collectors and collecting
- Model testing see TL671.7
- Model rockets and space vehicles see TL844
- 774 Model gliders
- 775 Model airships
- 776 Model helicopters
- 777 Details and parts of models
 - Including propellers
- 778 Paper airplanes
- Rocket propulsion. Rockets
 - 780 Periodicals, societies, etc.
 - 780.5 Dictionaries and encyclopedias
 - History
 - 781 General works
 - 781.5.A-Z Special projects, A-Z
 - 781.5.B55 Blue Streak
 - 781.5.S3 Saturn

- Rocket propulsion. Rockets
 - History -- Continued
 - 781.8.A-Z By region or country, A-Z
 - Biography
 - 781.85.A1 Collective
 - 781.85.A3-Z Individual, A-Z
 - 782 General works
 - 782.5 Popular works. Juvenile works
 - 782.55 Pictorial works
 - 782.6 Handbooks, manuals, etc.
 - 782.7 Amateurs' manuals, etc.
 - 782.75 Addresses, essays, lectures
 - 782.8 Rocketry as a profession
 - Model rockets see TL844
 - Special types of rockets and propulsion
 - Chemical rockets. Chemical propulsion systems
 - 783 General works
 - 783.3 Solid propellant rockets
 - 783.4 Liquid propellant rockets
 - 783.45 Hybrid propellant rockets
 - 783.5 Nuclear rockets. Nuclear propulsion systems
 - Electric rockets. Electric propulsion systems
 - 783.54 General works
 - 783.57 Photon rockets. Photon propulsion systems
 - 783.6 Plasma rockets. Plasma propulsion systems
 - 783.63 Ion rockets. Ion rocket propulsion
 - 783.7 Beamed-energy propulsion
 - 783.8 Hot water rockets. Hot water rocket propulsion
 - 783.9 Solar sails
 - Special topics, A-Z
 - 784.A-Z
 - 784.C6 Combustion
 - 784.C63 Controls. Guidance systems
 - 784.C65 Cooling
 - 784.E4 Electronics
 - 784.E86 Exhaust emissions
 - 784.E9 Expansion joints
 - 784.F8 Fuel systems
 - 784.L3 Launching
 - 784.N65 Nozzles
 - 784.P9 Pyrotechnics
 - 784.R4 Reliability
 - 784.S7 Stability
 - 784.S74 Staging
 - 784.T4 Thrust
 - 784.T5 Telemetry
 - Manufacturing. Factory methods
 - 784.3 General works
 - 784.5.A-Z Special topics, A-Z
 - 784.5.T4 Testing
 - 784.5.W4 Welding
 - 784.8 Materials
 - 785 Fuel
 - Rockets for special uses, A-Z
 - 785.8.L3 Launch vehicles
 - 785.8.S6 Sounding rockets
 - Cf. QC879.4+ Meteorology

- Rocket propulsion. Rockets
 - Rockets for special uses, A-Z -- Continued
 - Spaceships see TL795+
- Astronautics. Space travel
 - Cf. UG1500+ Military astronautics. Space warfare
- 787 Periodicals, societies, etc.
- 787.5 Collected works (nonserial)
- 787.7 Abstracts
- 788 Dictionaries and encyclopedias
- 788.3 Directories
- 788.35 Patents
- 788.4 International cooperation
- History
 - 788.5 General works
 - 788.6 Space archaeology
 - 788.7 Imaginary voyages
- Unidentified flying objects. Flying saucers
 - Cf. BF2050+ Human-alien encounters
 - Cf. BL65.U54 Religious aspects of unidentified flying objects
 - Cf. CB156 Terrestrial evidence of interplanetary voyages
- 789.A1 Periodicals, societies, etc.
- 789.A2-Z General works
- 789.16 Dictionaries
- 789.2 Juvenile works
- 789.3 Personal narratives
 - Including personal sightings
- By region or country
 - United States
 - 789.4 General works
 - 789.5.A-Z By region or state, A-Z
 - 789.6.A-Z Other regions or countries, A-Z
 - 789.8.A-Z By country, region, etc., A-Z
 - Under each country*
 - .x *General works*
 - .x2A-.x2Z *Special projects or programs, A-Z*
 - e.g.
- 789.8.U5 General works
- 789.8.U6A-.U6Z Special projects or programs, A-Z
 - 789.8.U6A5 Apollo
 - 789.8.U6G4 Gemini
 - 789.8.U6M3 Mariner
 - 789.8.U6M4 Mercury
 - 789.8.U6O75 Orion
 - 789.8.U6P56 Pioneer
 - 789.8.U6R3 Ranger
 - 789.8.U6S5 Skylab
 - 789.8.U6S9 Surveyor
 - 789.8.U6V64 Viking Mars Program
 - 789.8.U6X5 X-15 program
- Biography
 - 789.85.A1 Collective
 - 789.85.A3-Z Individual, A-Z
 - 790 General works
 - 791 Textbooks
 - 793 Popular works. Juvenile works

- Astronautics. Space travel -- Continued
- 793.5 Pictorial works
- 793.7 Anecdotes, facetiae, etc.
- 794 Handbooks, pocketbooks, tables, etc.
- 794.3 Laboratory manuals. Amateur experiments
- 794.5 Addresses, essays, lectures
- 794.7 Civilian use of outer space. Space tourism
- Space vehicles. Spaceships
- For specific aspects see TL874+
- 795 General works
- 795.3 Space probes
- 795.4 Microspacecraft
- Reusable space vehicles. Space shuttles
- 795.5 General works
- 795.515 Juvenile works
- 795.7 Space colonies. Space communities
- Artificial satellites
- Cf. TL1080 Artificial satellite orbits
- 796.A1 Periodicals, societies, etc.
- 796.A2-Z General works
- 796.3 Juvenile works
- Small satellites see TL795.4
- 796.5.A-Z By country, region, etc., A-Z
- Under each country:
- .x General works
- .x2A-.x2Z Special projects or programs, A-Z
- e.g.
- For individual planets, etc. see TL796.6.A+
- United States
- 796.5.U5 General works
- 796.5.U6A-.U6Z Special projects or programs, A-Z
- e.g.
- 796.5.U6V3 Vanguard
- 796.6.A-Z By planet, etc., A-Z
- 796.6.E2 Earth
- 796.6.M66 Moon
- 796.6.S8 Sun
- 796.8 Observers' handbooks
- Space stations
- 797 General works
- 797.15 Juvenile works
- 798.A-Z Special types by use, A-Z
- 798.G4 Geodetic satellites
- Cf. QB343 Artificial satellites in geodesy
- 798.M4 Meteorological satellites
- Cf. QC879.4+ Meteorology
- 798.N3 Navigation satellites
- Class here general works on navigation satellites, including the satellite component of the Global Positioning System. For special applications, see the subject, e. g. TA595.5, Satellite surveying; TL696.A77, Artificial satellites in air navigation; VK562, Artificial satellites in ship navigation
- For general works on the Global Positioning System see G109.5
- 798.S3 Scientific satellites
- Cf. Q180.7 Astronautics in science
- Cf. QB500.267+ Orbiting astronomical observatories
- Telecommunication satellites see TK5104.2.A+

- Astronautics. Space travel
 - Artificial satellites
 - Special types by use, A-Z -- Continued
 - Tethered satellites
- 798.T47
- 799.A-Z
 - Flights to special planets, etc. By planet, A-Z
 - Cf. QB600+ Planets
 - 799.J8
 - Jupiter
 - 799.M3
 - Mars
 - 799.M4
 - Mercury
 - 799.M6
 - Moon
 - 799.P69
 - Pluto
 - 799.S86
 - Sun
 - 799.V45
 - Venus
- 844
 - Model rockets. Model space vehicles
 - Study and teaching
 - Cf. TL1085 Space flight training
- 845
 - General works
 - Audiovisual aids
 - General works
 - 845.5.A-.Z8
 - Catalogs of audiovisual materials
 - 845.5.Z9
 - United States
 - General works
 - Special schools, A-Z
 - Other countries, A-Z
 - 846
 - General works
 - 847.A-Z
 - Special schools, A-Z
 - 848.A-Z
 - Other countries, A-Z
 - 849
 - Problems, exercises, etc.
- 850
 - Astronautics as a profession
 - General works
 - Qualifications for astronauts
 - 855
 - General works
 - 856
 - Physical and mental requirements for astronauts
 - Including tests
 - For clinical aspects see RC1120+
- 858
 - Research
 - General works
 - Equipment. Laboratories
 - 859
 - General works
 - 860.A-Z
 - Special, A-Z
 - 862.A-Z
 - Special institutions, A-Z
 - 865
 - Technology transfer. Space spinoffs
 - 867
 - Accidents and their prevention. Space safety
 - 869
 - Specifications
 - Systems engineering
 - General works
 - 870
 - Estimates. Quantities. Costs
 - 872
 - Manned space flight
 - 873
 - Specific aspects of space vehicles
 - (874)
 - General works
 - see TL795
 - 875
 - Design and construction
 - 885
 - Reliability
 - 900
 - Thermodynamics. Heat engineering
 - 901
 - Fires and fire prevention
 - 910
 - Structural dynamics
 - 915
 - Maintenance and repair
 - 917
 - Lubrication
 - 920
 - Testing

- Astronautics. Space travel
 - Specific aspects of space vehicles -- Continued
 - 940 Expandable space structures
 - 943 Planetary quarantine
 - 945 Sterilization
 - 946 Contamination
 - Materials
 - 950 Periodicals, societies, etc.
 - 953 General works
 - 954.A-Z Special, A-Z
 - Coatings see TL954.P35
 - 954.M47 Metals. Metallurgy
 - 954.P35 Paints and coatings
 - Astrodynamics. Flight mechanics. Orbital mechanics
 - Cf. QB349+ Astronomy
 - 1050 General works
 - 1055 Relativistic effects in astrodynamics. Relativistic rocket mechanics and dynamics
 - 1060 Atmospheric entry phenomena
 - Cf. TL3028 Reentry communications
 - Space navigation
 - Cf. TL3250+ Navigation systems. Guidance systems
 - 1065 General works
 - 1070 Astronautical charts, tables, etc. Logbooks
 - Space trajectories. Orbital transfer
 - 1075 General works
 - 1078 Data processing
 - Including computer programs
 - 1080 Artificial satellite orbits
 - 1082 Astronautical instruments
 - For instruments of special systems, see the system; e.g. for navigation systems see TL3250+
 - 1085 Space flight training
 - 1088 Space flight computer simulation
 - Cf. TL712.8 Computer flight games
 - Operation of space vehicles. Piloting
 - 1090 General works
 - 1095 Orbital rendezvous
 - 1096 Extravehicular activity. Space walk
 - Space mining see TN291.3+
 - 1097 Space robotics
 - Space vehicle propulsion systems see TL780+
 - 1098 Space tools
 - Electric equipment on space vehicles
 - 1100 General works
 - 1102.A-Z Special, A-Z
 - 1102.B3 Batteries
 - 1102.G4 Generators
 - 1102.I57 Insulators
 - 1102.N8 Nuclear electric powerplants
 - Including Project SNAP
 - Project SNAP see TL1102.N8
 - 1102.T4 Thermoelectric devices
 - 1102.W57 Wiring
 - 1200 Optical equipment on space vehicles
 - Environmental engineering in space. Space environment
 - 1489 General works
 - 1490 Radiation shielding on space vehicles

- Astronautics. Space travel
 - Environmental engineering in space. Space environment -- Continued
 - 1492 Electrostatic charging
 - 1495 Space simulators
 - 1496 Flow of fluids. Fluid dynamics
 - 1499 Space debris
 - Life support systems. Human engineering. Human environment equipment and testing
 - 1500 General works
 - 1530 Cabin atmosphere
 - 1550 Space suits
 - 1555 Seats
 - 1560 Food
 - 1565 Water supply
 - Test and training equipment
 - 1570 General works
 - 1572 Space cabin simulators
 - 1575 Weightlessness simulators
- Astrionics. Electronic equipment on space vehicles
 - 3000.A1 Periodicals, societies, etc.
 - 3000.A3-Z General works
 - Telecommunication, guidance and control systems for space vehicles
 - Communication methods and equipment
 - 3025 General works
 - 3026 Deep Space Network
 - 3028 Reentry communications. Plasma sheath effects
 - 3035 Radio
 - 3040 Television
 - Navigation systems. Guidance systems
 - 3250 General works
 - Theory of navigation see TL1065+
 - 3252 Inertial navigation systems
 - 3255 Star trackers
 - 3260 Attitude control systems
 - 3270 Pointing systems
 - 3280 Command control systems
 - 3285 Space-based radar
 - Ground support systems, operations and equipment
 - 4000 Periodicals, societies, etc.
 - 4015 General works
 - Launching bases. Launch complexes
 - Including launch facilities
 - 4020 General works
 - 4024 Planning. Location
 - By region or country
 - United States
 - 4026 General works
 - 4027.A-Z By region or state, A-Z
 - Under each state:*
 - .x *General works*
 - .x2A-.x2Z *Special bases. By name, A-Z*
 - 4028.A-Z Other regions or countries, A-Z
 - 4030 Space tracking
 - Command control equipment
 - 4040 General works
 - 4045 Mobile facilities
 - 4050 Ground transportation

Astronautics. Space travel -- Continued
Extraterrestrial roving vehicles see TL475+

| | |
|---------|--|
| | Mining engineering. Metallurgy |
| | Including mineral industries |
| | Periodicals and societies |
| | Arrange by language of publication |
| 1.A1 | International or polyglot |
| 1.A2-Z | English |
| 2 | French |
| 3 | German |
| 4 | Other languages (not A-Z) |
| 5 | Congresses |
| | Exhibitions. Museums |
| 6.A1 | General works |
| 6.A2-Z | By region or country, A-Z |
| | Subarrange each country by Table T4b |
| 7 | Collected works (nonserial) |
| | Dictionaries and encyclopedias |
| 9 | General works |
| 10 | Polyglot dictionaries |
| 12 | Directories |
| (13) | Yearbooks |
| | see TN1+ |
| | History and description |
| 15 | General works |
| 16 | Ancient |
| 17 | Medieval |
| | Modern |
| 18 | To 1800 |
| 19 | 1800- |
| 21-127 | Country divisions (Table T1a) |
| | Add country number in table to TN0 |
| | Including government reports on mineral resources and economic geology |
| | Biography |
| 139 | Collective |
| 140.A-Z | Individual, A-Z |
| | General works |
| 144 | Early to 1800 |
| 145 | 1800- |
| 146 | Elementary works |
| 147 | Popular works |
| 148 | Juvenile works |
| 151 | Pocketbooks, tables, examinations, questions, etc. |
| 153 | General special |
| 155 | Addresses, essays, lectures |
| 160 | Mining engineering as a profession |
| | Study and teaching |
| 165 | General works |
| | America |
| 171 | General works |
| | United States |
| 173 | General works |
| 174.A-W | States, A-W |
| 175.A-Z | Cities, A-Z |
| | Canada |
| 176 | General works |
| 177.A-Z | Special provinces, A-Z |
| 179 | Latin America (General) |

- Study and teaching -- Continued
- Mexico
 - 180 General works
 - 181.A-Z Special divisions, A-Z
- Central America
 - 182 General works
 - 183.A-Z Special countries, A-Z
- West Indies
 - 185 General works
 - 186.A-Z Special islands, A-Z
- South America
 - 188 General works
 - 189.A-Z Special countries, A-Z
- Europe
 - 191 General works
 - 192.A-Z Special countries, A-Z
- Asia
 - 194 General works
 - 195.A-Z Special countries, A-Z
- Africa
 - 197 General works
 - 198 South Africa
 - 199.A-Z Other countries, A-Z
- Australia
 - 201 General works
 - 202.A-Z Special states, A-Z
- New Zealand
 - 203
- Pacific islands
 - 204 General works
 - 205.A-Z Special islands, A-Z
- 207 Metallurgical research
- Special schools
 - United States
 - 210.A-Z General schools. By name of school, A-Z
 - 211 Correspondence schools
 - 213.A-Z Other countries. By place of school, A-Z
- Mining laws and legislation
 - (215-255) see class K
- (257) Patents
 - see class K
- 260 Economic or applied geology and mineralogy
 - For special countries see TN21+
- 263 Mineral deposits. Metallic ore deposits
 - For special countries see TN21+
 - For metallic ore deposits of particular metals see TN400+
 - For nonmetallic mineral deposits of particular minerals see TN799.5+
- 263.5 Energy minerals
 - Cf. TJ163.13+ Power resources
- 264 Marine mineral resources
 - For mining resources see TN291.5
- 265 Metallic ores (General)
- Geophysical surveying
 - 269 General works
 - Electric logging
 - 269.5 General works
 - 269.55 Induction logging

| | |
|----------|--|
| | Geophysical surveying -- Continued |
| 269.7 | Radioactive prospecting |
| | Seismic prospecting |
| 269.8 | General works |
| 269.83 | Geometrical diffraction |
| 269.84 | Seismic reflection method |
| 269.85 | Seismic refraction method |
| 269.86 | Vertical seismic profiling |
| 269.88 | Vibroseis |
| 269.883 | Self-potential method |
| 269.885 | Water analysis. Sediment analysis |
| | Prospecting |
| | Cf. TN560 Ore sampling |
| 270.A1 | Periodicals, societies, congresses, etc. |
| 270.A2-Z | General works |
| 271.A-Z | Special minerals, etc., A-Z |
| 271.A2 | Rare metals. Rare earths (General) |
| 271.A47 | Aggregates |
| 271.B3 | Bauxite |
| 271.B4 | Beryllium |
| 271.B6 | Boron |
| 271.C47 | Chlorite |
| 271.C5 | Chromium |
| 271.C53 | Clay |
| 271.C58 | Coal |
| 271.C6 | Copper |
| 271.D5 | Diamonds |
| 271.F6 | Fluorspar (Fluorite) |
| 271.G6 | Gold |
| 271.G7 | Graphite |
| 271.H43 | Heavy minerals |
| 271.I7 | Iron |
| 271.K2 | Kaolin |
| 271.K55 | Kimberlite |
| 271.L4 | Lead |
| | Magnetite see TN271.I7 |
| 271.M3 | Manganese |
| 271.M4 | Mercury |
| 271.M5 | Mica |
| 271.N5 | Nickel |
| 271.N63 | Nonmetallic minerals |
| 271.P27 | Peat |
| 271.P3 | Pegmatites |
| 271.P4 | Petroleum |
| 271.P45 | Phosphates |
| 271.P56 | Platinum |
| 271.P6 | Potassium |
| 271.P9 | Pyrites |
| 271.Q4 | Quartz |
| 271.R33 | Radioactive minerals |
| | Rare metals, rare earths see TN271.A2 |
| 271.S55 | Silver |
| 271.S88 | Sulfides |
| 271.S9 | Sulfur |
| 271.T3 | Tantalum |
| 271.T4 | Thorium |

- Prospecting
- Special minerals, etc., A-Z -- Continued
- 271.T5 Tin
- 271.T55 Titanium
- 271.T8 Tungsten
- 271.U7 Uranium
- 271.Z5 Zinc
- Mine examination and valuation. Mine selling
- 272 General works
- 272.7 Statistical methods. Kriging
- 273 Mine surveying. Mine maps
- Construction of mine structures, buildings, etc. see TH4561
- 274 Mine organization and management
 - For the organization and management of special types of mines see TN400+
- Practical mining operations
- 275.A1 Periodicals, societies, etc.
- 275.A2-Z General works
- 276 Automation
- 277 Excavating and quarrying
- 278 Hydraulic mining
- 278.3 In situ processing (Mining)
 - Cf. TP759 Underground coal gasification
- 278.5 Solution mining
- 279 Drilling and blasting
 - For use of explosives in coal mines see TN803
- 281 Deep boring
- 281.5 Borehole mining
- 283 Shaft sinking
- 285 Tunneling, drifting
- 286 Longwall mining
- 287 Stopping
- Ground control. Ground support
- 288 General works
- 289 Timbering
- 289.3 Mine roof bolting
- 289.5 Concrete mine supports
- 289.8 Pillaring
- 290 Mine filling
- 291 Open working. Strip mining
 - Cf. QH545.S84 Ecology
 - Cf. TD195.S75 Environmental technology
- Mining in extreme environments
- 291.24 General works
- 291.26 Cold weather conditions
- Outer space. Space mining
- 291.3 General works
- 291.35 Lunar mining
- 291.5 Underwater mining. Ocean mining
 - Cf. TD195.O25 Environmental technology
- 292 General special
- 295 Safety measures
 - Cf. HD7269.A+ Labor hygiene
- 297 Rescue work, stations, first aid, etc.
- 300 Mine sanitation
- Ventilation of mines
- 301 General works

- Ventilation and lighting of mines -- Continued
- 303 Ventilating appliances and machines
- 304 Stoppings
 - Gases in mines. Firedamp
 - Cf. TN844+ Coalbed methane
- 305 General works
- 306 Gases resulting from use of explosives
- Lighting of mines
- 306.5 General works
- 307 Miners' lamps. Safety lamps
- 309 Electric lighting of mines
 - Cf. TK4399.C6 Electric lighting of coal preparation plants
- Dangers and accidents in mines and quarries
 - Cf. TN802+ Coal mines and mining
- 311 General works
- 312 Mine dusts
- 313 Explosions
- 315 Fires
- 317 Falls of roof, etc.
- 318 Flooding
- 318.5 Spoil bank failures
- 319 Mine subsidences
- 319.5 Tailings dam failures
- 320 Machinery
- Mine drainage
- 321 General works
- 325 Mine pumps
- Mine transportation, haulage and hoisting
- 331 General works
- 332 Aerial tramways
 - Cf. TJ1386 General transportation
- 333 Underground roads
- 335 Mechanical haulage
- 336 Mine railroads, tracks, etc.
- 337 Electric mine locomotives and their use
- 338 Gasoline engines
- Hoists and elevators
- 339 General works
- 340.A-Z Special apparatus. By place, A-Z
- 341 Surface transportation
- 342 Mine and ore cars
- 343 Electrical engineering and equipment
 - For electric lighting of mines see TN309
- 344 Mine communication systems
- Mining machinery, tools, appliances, etc.
 - For coal mining machinery see TN813+
 - Cf. TN320 Mining accidents
- 345 General works
- 347 Catalogs
- 380.A-Z General mining and smelting companies, A-Z
- Ore deposits and mining of particular metals
 - Including mining and smelting companies
 - For extraction of particular metals from their ores, see TN703-TN799
 - For prospecting see TN270+
- Iron ore deposits and mining
- 400 General works

Ore deposits and mining of particular metals

Iron ore deposits and mining -- Continued

- 401 General special
- 402.A-Z Individual ores, A-Z
 - Prefer classification by country
- 402.H4 Hematite
- 402.M3 Magnetite
- 402.S5 Siderite
- 402.T3 Taconite
- Special countries
- America
 - 403.A1 General works
 - United States
 - 403.A5 General works
 - 403.A6-.W States, A-W
 - 403.Z6A-.Z6Z Special companies. By name, A-Z
 - 404.A-Z Other countries, A-Z
 - Subarrange each country by Table T4a
- Europe
 - 405.A1 General works
 - 405.A4-Z Special countries, A-Z
 - Subarrange each country by Table T4a
- Asia
 - 406.A1 General works
 - 406.A4-Z Special countries, A-Z
 - Subarrange each country, island, etc., by Table T4a
- Africa
 - 407.A1 General works
 - 407.A4-Z Special countries, A-Z
 - Subarrange each country, island, etc., by Table T4a
- Australia, Oceania, etc.
 - 408.A1 General works
 - 408.A4-Z Special countries or islands, A-Z
 - Subarrange each country or island by Table T4a
- 409.A-Z Companies outside of United States. By name of company, A-Z
 - For special companies in the United States see TN403.Z6A+
- Gold and silver ore deposits and mining. Precious metals
- 410 General works
- 411 General special
- Special countries
- America
 - 413.A1 General works
 - United States
 - 413.A5 General works
 - 413.A6-.W States, A-W
 - 413.Z6A-.Z6Z Special companies. By name, A-Z
 - 414.A-Z Other countries, A-Z
 - Subarrange each country by Table T4a
- Europe
 - 415.A1 General works
 - 415.A4-Z Special countries, A-Z
 - Subarrange each country by Table T4a
- Asia
 - 416.A1 General works
 - 416.A4-Z Special countries, A-Z
 - Subarrange each country by Table T4a

Ore deposits and mining of particular metals

Gold and silver ore deposits and mining. Precious metals

Special countries -- Continued

Africa

417.A1

General works

417.A4-Z

Special countries, A-Z

Subarrange each country by Table T4a

Australia, Oceania, etc.

418.A1

General works

418.A4-Z

Special countries or islands, A-Z

Subarrange each country or island by Table T4a

419.A-Z

Companies outside of United States. By name of company, A-Z

For special companies in the United States see TN413.Z6A+

Gold ore deposits and mining

420

General works

421

Hydraulic and placer mining

422

Other methods

Including gold dredging

Special countries

America

423.A1

General works

United States

423.A5

General works

423.A6-.W

States, A-W

423.Z6A-.Z6Z

Special companies. By name, A-Z

424.A-Z

Other countries, A-Z

Subarrange each country by Table T4a

Europe

425.A1

General works

425.A4-Z

Special countries, A-Z

Subarrange each country by Table T4a

Asia

426.A1

General works

426.A4-Z

Special countries, A-Z

Subarrange each country by Table T4a

Africa

427.A1

General works

427.A4-Z

Special countries, A-Z

Subarrange each country by Table T4a

Australia, Oceania, etc.

428.A1

General works

428.A4-Z

Special countries or islands, A-Z

Subarrange each country or island by Table T4a

429.A-Z

Companies outside of United States. By name of company, A-Z

For special companies, United States see TN423.Z6A+

Silver ore deposits and mining

430

General works

431

General special

432.A-Z

Individual ores, A-Z

Prefer classification by country

432.S7

Stephanite

Special countries

America

433.A1

General works

United States

433.A5

General works

Ore deposits and mining of particular metals
 Gold and silver ore deposits and mining. Precious metals
 Silver ore deposits and mining
 Special countries
 America
 United States -- Continued
 States, A-W
 Special companies. By name, A-Z
 Other countries, A-Z
 Subarrange each country by Table T4a
 Europe
 General works
 Special countries, A-Z
 Subarrange each country by Table T4a
 Asia
 General works
 Special countries, A-Z
 Subarrange each country by Table T4a
 Africa
 General works
 Special countries, A-Z
 Subarrange each country by Table T4a
 Australia, Oceania, etc.
 General works
 Special countries or islands, A-Z
 Subarrange each country or island by Table T4a
 Companies outside of United States. By name of company, A-Z
 For special companies in the United States see TN433.Z6A+

Copper ore deposits and mining
 General works
 General special
 Individual ores, A-Z
 Prefer classification by country
 Chalcopyrite
 Special countries
 America
 General works
 United States
 General works
 States, A-W
 Special companies. By name, A-Z
 Other countries, A-Z
 Subarrange each country by Table T4a
 Europe
 General works
 Special countries, A-Z
 Subarrange each country by Table T4a
 Asia
 General works
 Special countries, A-Z
 Subarrange each country by Table T4a
 Africa
 General works
 Special countries, A-Z
 Subarrange each country by Table T4a
 Australia, Oceania, etc.

Ore deposits and mining of particular metals

Copper ore deposits and mining

Special countries

Australia, Oceania, etc. -- Continued

448.A1

General works

448.A4-Z

Special countries or islands, A-Z

Subarrange each country or island by Table T4a

449.A-Z

Companies outside of United States. By name of company, A-Z

For special companies in the United States see TN443.Z6A+

Lead ore deposits and mining

450

General works

451

General special

452.A-Z

Individual ores, A-Z

Prefer classification by country

452.C4

Cerussite

452.G3

Galena

Special countries

America

453.A1

General works

United States

453.A5

General works

453.A6-.W

States, A-W

453.Z6A-.Z6Z

Special companies. By name, A-Z

454.A-Z

Other countries, A-Z

Subarrange each country by Table T4a

Europe

455.A1

General works

455.A4-Z

Special countries, A-Z

Subarrange each country by Table T4a

Asia

456.A1

General works

456.A4-Z

Special countries, A-Z

Subarrange each country by Table T4a

Africa

457.A1

General works

457.A4-Z

Special countries, A-Z

Subarrange each country by Table T4a

Australia, Oceania, etc.

458.A1

General works

458.A4-Z

Special countries or islands, A-Z

Subarrange each country or island by Table T4a

459.A-Z

Companies outside of United States. By name of company, A-Z

For special companies in the United States see TN453.Z6A+

Mercury ore deposits and mining

460

General works

461

General special

462.A-Z

Individual ores, A-Z

Prefer classification by country

462.C5

Cinnabar

Special countries

America

463.A1

General works

United States

463.A5

General works

463.A6-.W

States, A-W

463.Z6A-.Z6Z

Special companies. By name, A-Z

| | |
|--------------|---|
| | Ore deposits and mining of particular metals |
| | Mercury ore deposits and mining |
| | Special countries |
| | America -- Continued |
| 464.A-Z | Other countries, A-Z |
| | Subarrange each country by Table T4a |
| | Europe |
| 465.A1 | General works |
| 465.A4-Z | Special countries, A-Z |
| | Subarrange each country by Table T4a |
| | Asia |
| 466.A1 | General works |
| 466.A4-Z | Special countries, A-Z |
| | Subarrange each country by Table T4a |
| | Africa |
| 467.A1 | General works |
| 467.A4-Z | Special countries, A-Z |
| | Subarrange each country by Table T4a |
| | Australia, Oceania, etc. |
| 468.A1 | General works |
| 468.A4-Z | Special countries or islands, A-Z |
| | Subarrange each country by Table T4a |
| 469.A-Z | Companies outside of United States. By name of company, A-Z |
| | For special companies, United States see TN463.Z6A+ |
| | Tin ore deposits and mining |
| 470 | General works |
| 471 | General special |
| 472.A-Z | Individual ores, A-Z |
| | Prefer classification by country |
| 472.C3 | Cassiterite |
| | Special countries |
| | America |
| 473.A1 | General works |
| | United States |
| 473.A5 | General works |
| 473.A6-.W | States, A-W |
| 473.Z6A-.Z6Z | Special companies. By name, A-Z |
| 474.A-Z | Other countries, A-Z |
| | Subarrange each country by Table T4a |
| | Europe |
| 475.A1 | General works |
| 475.A4-Z | Other countries, A-Z |
| | Subarrange each country by Table T4a |
| | Asia |
| 476.A1 | General works |
| 476.A4-Z | Other countries, A-Z |
| | Subarrange each country by Table T4a |
| | Africa |
| 477.A1 | General works |
| 477.A4-Z | Other countries, A-Z |
| | Subarrange each country by Table T4a |
| | Australia, Oceania, etc. |
| 478.A1 | General works |
| 478.A4-Z | Special countries or islands, A-Z |
| | Subarrange each country or island by Table T4a |

| | |
|--------------|---|
| | Ore deposits and mining of particular metals |
| | Tin ore deposits and mining |
| | Special countries -- Continued |
| 479.A-Z | Companies outside of United States. By name of company, A-Z |
| | For special companies in the United States see TN473.Z6A+ |
| | Zinc ore deposits and mining |
| 480 | General works |
| 481 | General special |
| 482.A-Z | Individual ores, A-Z |
| | Prefer classification by country |
| 482.S6 | Sphalerite |
| | Special countries |
| | America |
| 483.A1 | General works |
| | United States |
| 483.A5 | General works |
| 483.A6-.W | States, A-W |
| 483.Z6A-.Z6Z | Special companies. By name, A-Z |
| 484.A-Z | Other countries, A-Z |
| | Subarrange each country by Table T4a |
| | Europe |
| 485.A1 | General works |
| 485.A4-Z | Other countries, A-Z |
| | Subarrange each country by Table T4a |
| | Asia |
| 486.A1 | General works |
| 486.A4-Z | Other countries, A-Z |
| | Subarrange each country by Table T4a |
| | Africa |
| 487.A1 | General works |
| 487.A4-Z | Other countries, A-Z |
| | Subarrange each country by Table T4a |
| | Australia, Oceania, etc. |
| 488.A1 | General works |
| 488.A4-Z | Special countries or islands, A-Z |
| | Subarrange each country or island by Table T4a |
| 489.A-Z | Companies outside of United States. By name of company, A-Z |
| | For special companies, United States see TN483.Z6A+ |
| 490.A-Z | Other metals, A-Z |
| | Class individual ores of particular metals with the metal |
| 490.A2 | Rare metals. Rare earths (General) |
| 490.A3 | Radioactive minerals |
| 490.A5 | Aluminum. Bauxite |
| 490.A6 | Antimony |
| 490.A8 | Arsenic |
| 490.B2 | Barium |
| | Bauxite see TN490.A5 |
| 490.B4 | Beryllium |
| 490.B6 | Bismuth |
| 490.C2 | Cadmium |
| 490.C4 | Chromium |
| 490.C6 | Cobalt |
| 490.G4 | Germanium |
| 490.I6 | Indium |
| 490.L5 | Lithium |
| 490.M2 | Magnesium |

Ore deposits and mining of particular metals

Other metals, A-Z -- Continued

- 490.M3 Manganese
- 490.M7 Molybdenum
- 490.N6 Nickel
- 490.N65 Niobium
- 490.P7 Platinum and platinum group
- 490.R3 Radium
- Rare earths and metals see TN490.A2
- 490.R48 Rhenium
- 490.R8 Rubidium
- 490.S4 Scandium
- 490.S8 Strontium
- 490.T2 Tantalum
- 490.T5 Tellurium
- 490.T55 Thorium
- 490.T6 Titanium
- 490.T9 Tungsten (Wolfram)
- 490.U7 Uranium
- Cf. TN490.A3 Radioactive minerals
- 490.V2 Vanadium
- 490.Z5 Zirconium
- 495.A-Z Metallic compounds, A-Z
- 495.S9 Sulfides
- Ore dressing and milling
 - For specific ores prefer classification by ore; see TN538.A+
 - Periodicals. Societies. Serials
 - Congresses
 - General works
 - Addresses, essays, lectures
 - Dictionaries and encyclopedias
 - Plants and equipment
 - Milling machinery
 - Cf. TJ1345 Mechanical engineering
 - General works
 - Trade catalogs
 - Crushing. Rolls, stamps, breakers
 - Screening and sorting. Screens, classifiers
 - Concentrating. Jigs, tables, vanners
 - General works
 - Flotation
 - Slime treatment
 - Magnetic separation
 - Dielectric separation
 - General special
 - Including dewatering
- 538.A-Z Individual ores, A-Z
 - 538.A55 Aluminum
 - 538.A57 Antimony ores
 - 538.C57 Chromium
 - 538.C66 Copper
 - 538.C9 Cyanite
 - 538.G64 Gold
 - 538.I7 Iron
 - 538.M35 Manganese
 - 538.N6 Nonferrous metals

Ore deposits and mining of particular metals

Ore dressing and milling

Individual ores, A-Z -- Continued

538.P43 Phosphates
 538.P53 Platinum
 538.P6 Potassium
 538.S84 Sulfides
 538.T55 Tin
 538.T57 Titanium
 538.T74 Troilite
 538.U7 Uranium

Assaying

Cf. HG325+ Money

550 General works

555 General special

560 Sampling of ores

Cf. TN272+ Mine examination and valuation

565 Metallurgical analysis

Metallurgical and assay laboratories

570 General works

571.A-Z Special laboratories. By place, A-Z

575 Assaying apparatus

580.A-Z Assaying of special substances, A-Z

Including the analysis of ores

580.C5 Chromium

580.C64 Copper

580.G6 Gold and gold ores

580.H43 Heavy metals

580.I8 Iron and iron ores

580.M3 Manganese

580.M4 Mercury

580.N6 Nonferrous metals

580.P7 Platinum

580.P74 Precious metals

580.R48 Rhenium

580.S5 Silver

580.T5 Tin ores

580.T73 Trace elements

Metallurgy

Cf. TA459+ Properties of metals

Cf. TS200+ Metal manufactures

600 Periodicals, societies, etc.

605 Congresses

607 Collected works (nonserial)

609 Dictionaries and encyclopedias

Communication of metallurgical information

610 General works

610.5 Metallurgical literature

612 Directories

History

615 General works

616 Ancient

617 Medieval

618 Modern

619 19th century

620 20th century

Metallurgy -- Continued

- Special countries
- 621 America
 - United States
- 623 General works
- 624.A-.W States, A-W
 - Canada
 - 626 General works
 - 627.A-Z Special divisions, A-Z
 - 629 Latin America (General)
 - Mexico
 - 630 General works
 - 631.A-Z Special divisions, A-Z
 - Central America
 - 632 General works
 - 633.A-Z Special countries, A-Z
 - West Indies
 - 635 General works
 - 636.A-Z Special islands, A-Z
 - South America
 - 638 General works
 - 639.A-Z Special countries, A-Z
 - Europe
 - 641 General works
 - 642.A-Z Special countries, A-Z
 - 643 Eurasia
 - Asia
 - 644 General works
 - 645.A-Z Special countries, A-Z
 - Africa
 - 647 General works
 - 648 South Africa
 - 649.A-Z Special countries, A-Z
 - Australia
 - 651 General works
 - 652.A-Z By state, A-Z
 - Pacific islands
 - 654 General works
 - 655.A-Z Special islands, A-Z
- Biography see TN139+
- General works
 - 664 Early to 1800
 - 665 1800-
 - 667 Popular works. Juvenile works
 - 669 Laboratory manuals
 - 671 Pocketbooks, tables, etc.
 - 672 Heat treatment of metals
 - 673 General special
 - 675 Addresses, essays, lectures
 - 675.3 Study and teaching
 - Cf. TN207 Metallurgical research
 - 675.4 Information services
 - Metallurgical plants
 - 675.5 General works
 - 675.7 Management

Metallurgy

Metallurgical plants -- Continued

Accidents and their prevention. Safety measures

Cf. HD7269.A+ Labor hygiene

676.A1

General works

676.A3

United States

676.A5-Z

Other countries, A-Z

Special equipment

Metallurgical furnaces

677

General works

677.5

Refractory materials

678

Plasma jets

678.5

Reagents

Electrometallurgy

For applications to special metals, see the metal, e.g. TN706, Iron and steel

Cf. TS670+ Electroplating

681

Periodicals, societies, etc.

683

Congresses

685

General works

686

General special

686.5.A-Z

Special processes, A-Z

686.5.E4

Electroslag process

686.5.V3

Vacuum metallurgy

686.5.Z6

Zone melting

Cf. TP156.Z6 Chemical engineering

687

Special equipment

Including electric furnaces

Hydrometallurgy

688

General works

688.3.A-Z

Special processes, A-Z

688.3.B33

Biotechnology

Including bacterial leaching

688.3.H4

Heap leaching

688.3.I65

Ion exchange process

688.5

Pyrometallurgy

Metallography. Physical metallurgy

Cf. QC176+ Solid state physics

Cf. QD478 Solid state chemistry

Cf. QD506+ Surface chemistry

Cf. QD901+ Crystallography

Cf. TA483+ General properties of alloys

Cf. TS650 Manufacture of alloys

689

Periodicals, societies, etc.

689.2

Congresses

689.4

Dictionaries and encyclopedias

690

General works

690.2

Addresses, essays, lectures

690.4

Handbooks, manuals, etc.

Study and teaching

690.6

General works

690.65

Fieldwork

690.7

Metallographic specimens

693.A-Z

Special metals, A-Z

Including alloys

693.A4

Alkali metals

693.A5

Aluminum

Metallurgy

Metallography. Physical metallurgy

Special metals, A-Z -- Continued

| | |
|---------|--|
| 693.A54 | Americium |
| 693.B4 | Beryllium |
| 693.B5 | Bismuth |
| 693.B6 | Boron alloys |
| 693.C5 | Chromium |
| 693.C8 | Cobalt |
| 693.C9 | Copper (Bronze) |
| 693.F7 | Friction metals |
| 693.G6 | Gold |
| 693.H4 | Heat resistant metals |
| 693.I7 | Iron and steel |
| 693.L4 | Lead |
| | Light metals and alloys see TN693.N6 |
| 693.M3 | Magnesium |
| 693.M35 | Manganese |
| 693.M38 | Metallic composites |
| 693.M4 | Metallic glasses |
| | Mischmetal see TN693.R3 |
| 693.M64 | Molybdenum |
| 693.N5 | Nickel |
| 693.N6 | Nonferrous metals |
| 693.P3 | Palladium |
| 693.P55 | Platinum |
| 693.P7 | Precious metals |
| 693.R3 | Rare earth metal alloys |
| | Including Mischmetal |
| | Refractory transition metal compounds see TN693.T7 |
| 693.R45 | Rhenium |
| 693.S5 | Silver |
| 693.S9 | Superconductors |
| 693.T34 | Tantalum |
| 693.T4 | Tellurium |
| 693.T45 | Thorium |
| 693.T5 | Titanium |
| 693.T7 | Transition metal compounds |
| | Including refractory transition metal compounds |
| 693.T94 | Tungsten |
| 693.U7 | Uranium |
| 693.V3 | Vanadium |
| 693.Z5 | Zirconium |
| | Powder metallurgy |
| | Cf. TS245 Manufactures |
| 695 | General works |
| 697.A-Z | Special metals, A-Z |
| 697.A47 | Aluminum |
| 697.C65 | Copper |
| 697.H4 | Heat resistant alloys |
| 697.I7 | Iron and steel |
| 697.T5 | Titanium |
| 697.Z54 | Zinc |
| 698 | Mechanical alloying |
| 700 | Metallurgy of heat resistant alloys |
| | Metallurgy of ferrous metals |

Metallurgy

Metallurgy of ferrous metals -- Continued

Iron and steel

Cf. TA464+ Properties

Cf. TS300+ Manufactures

Periodicals and societies see TS300

701.5

Congresses

702

Dictionaries and encyclopedias

Directories see TS301

703

History

704.A-Z

Special countries, A-Z

Subarrange each country by Table T4a

705

General works

706

Electric processes

706.5

Pyrometallurgy

707

General special

Including slag

708

Patents

709

Alpha iron

Cast iron. Pig iron

710

General works

Blast furnaces

713

General works

715

Hot blast. Dry-air blast

Cf. TS231 Cupola furnaces

718

Utilization of waste heat, gas, etc.

719

Malleable cast iron

719.5

Nodular iron

Wrought iron

720

General works

723

Direct processes

725

Refinery processes. Puddling and puddling furnaces

727

Sponge iron

Steel

730

General works

731

General special

Including temperature measurements

732

Popular works. Juvenile works

Special processes

733

Direct processes

734

Cementation processes

735

Crucible process

Bessemer process

736

General works

737

Acid Bessemer process

738

Basic Bessemer process

Open hearth or Siemens process

740

General works

741

Acid open hearth process

742

Basic open hearth process

745

Electric furnace processes

746

Ladle metallurgy

747

Oxygen steelmaking

750

Other processes. Continuous ingot casting, etc.

Heat treatment

751

General works

Metallurgy

Metallurgy of ferrous metals

Iron and steel

Steel

Heat treatment -- Continued

752.A-Z Special processes, A-Z
752.A5 Annealing
752.C3 Case hardening. Nitriding
752.C5 Chromizing
752.F4 Flame hardening
752.I5 Induction hardening
Nitriding see TN752.C3

752.Q4 Quenching
752.S8 Surface hardening
752.T4 Tempering
752.T54 Thermomechanical treatment

755.A-Z Special plants and works, A-Z

Iron and steel alloys

Class here production only

For properties, strength, etc. see TA464+

For microscopic examination see TN689+

756 General works

757.A-Z Special alloys, A-Z

Aluminum see TN775

757.B6 Boron steel
757.C35 Calcium steel
757.C48 Chrome-manganese steel
757.C49 Chrome-nickel steel
757.C5 Chrome steel. Stainless steel
757.F25 Ferrochromium
757.F3 Ferromanganese
757.F33 Ferronickel
757.F4 Ferrosilicon
757.M3 Manganese steel
757.M7 Molybdenum steel
757.N5 Nickel steel
757.N6 Nickel chromium alloys
757.N66 Nitrogen
757.S45 Semikilled steel
757.S7 Spiegel iron
Stainless steel see TN757.C5
757.T5 Titanium steel
757.T9 Tungsten steel
757.U7 Uranium steel
757.V3 Vanadium steel

Metallurgy of nonferrous metals

758 General works

758.3 Heat treatment

758.4.A-Z Individual plants and works, A-Z

Precious metals

759 General works

Gold and silver

760 General works
761 General special
761.5 Popular works
761.6 Juvenile works

Metallurgy

Metallurgy of nonferrous metals

Precious metals

Gold and silver -- Continued

| | |
|-----|--------------------------|
| 762 | Milling |
| | Special processes |
| 763 | Amalgamation |
| 765 | Chlorination |
| 767 | Cyanide process |
| 768 | Electric processes |
| 769 | Other special processes |
| 770 | Silver and lead |
| | For lead alone see TN785 |

Light metals

| | |
|-----|-------------------------|
| 773 | General works |
| 775 | Aluminum and its alloys |
| 780 | Copper |
| 785 | Lead |
| 790 | Mercury |
| 793 | Tin |
| 796 | Zinc |

Minor metals

| | |
|---------|-------------------------|
| 798 | Collectively |
| 799.A-Z | Special metals, A-Z |
| 799.A6 | Antimony |
| 799.B4 | Beryllium |
| 799.B5 | Bismuth |
| 799.C2 | Cadmium |
| 799.C25 | Calcium |
| 799.C4 | Cesium |
| 799.C5 | Chromium |
| 799.C6 | Cobalt |
| 799.G3 | Gallium |
| 799.G4 | Germanium |
| 799.I5 | Indium |
| 799.L57 | Lithium |
| 799.M2 | Magnesium |
| 799.M3 | Manganese |
| 799.M7 | Molybdenum |
| 799.N47 | Neodymium |
| 799.N5 | Neptunium |
| 799.N6 | Nickel |
| 799.N7 | Niobium |
| 799.P34 | Palladium |
| 799.P7 | Platinum |
| 799.P74 | Plutonium |
| 799.R37 | Rare earth metal alloys |
| 799.R45 | Rhenium |
| 799.R5 | Rhodium |
| | Selenium see TN948.S4 |
| 799.T3 | Tantalum |
| 799.T4 | Thorium |
| 799.T5 | Titanium |
| 799.T9 | Tungsten |
| 799.U7 | Uranium |
| 799.V3 | Vanadium |

| | |
|--------------|---|
| | Metallurgy |
| | Metallurgy of nonferrous metals |
| | Minor metals |
| | Special metals, A-Z -- Continued |
| 799.Z5 | Zirconium |
| | Nonmetallic minerals |
| | Including deposits and associated mining industries |
| | For prospecting see TN270+ |
| 799.5 | General works |
| | By region or country |
| | United States |
| 799.6.A1 | General works |
| 799.6.A2-Z | By region or state, A-Z |
| 799.7.A-Z | Other regions or countries, A-Z |
| | Subarrange each country by Table T4a |
| | Coal |
| 799.9 | Periodicals, societies, etc. |
| 799.95 | Dictionaries and encyclopedias |
| 800 | General works |
| 801 | Elementary and popular works |
| | Mines and mining |
| | For practical mining operations see TN275+ |
| | For safety measures see TN295 |
| | For ventilation see TN301+ |
| | For lighting see TN306.5+ |
| 802 | General works |
| 803 | General special |
| | Including use of explosives |
| | Special countries |
| | Including geology of coal deposits in the region or country |
| | America |
| 805.A1 | Periodicals, societies, etc. |
| 805.A2 | General works |
| | United States |
| 805.A3 | Periodicals, societies, etc. |
| 805.A4 | Directories |
| 805.A5 | General works |
| 805.A6-.W | Individual states, A-W |
| 805.Z6A-.Z6Z | Individual companies. By name, A-Z |
| 806.A-Z | Other countries, A-Z |
| | Subarrange each country by Table T4a |
| 807.A-Z | American companies outside of United States, A-Z |
| | Europe |
| 808.A1 | General works |
| 808.A4-.Z5 | Special countries, A-Z |
| | Subarrange each country by Table T4a |
| 808.Z6A-.Z6Z | Special companies. By name, -Z |
| | Asia |
| 809.A1 | General works |
| 809.A4-.Z5 | Special countries, A-Z |
| | Subarrange each country by Table T4a |
| 809.Z6A-.Z6Z | Special companies. By name, A-Z |
| | Africa |
| 810.A1 | General works |
| 810.A4-.Z5 | Special countries, A-Z |
| | Subarrange each country by Table T4a |

| | |
|--------------|---|
| | Nonmetallic minerals |
| | Coal |
| | Mines and mining |
| | Special countries |
| | Africa -- Continued |
| 810.Z6A-.Z6Z | Special companies. By name, A-Z |
| | Australia, Oceania, etc. |
| 811.A1 | General works |
| 811.A4-.Z5 | Special countries, A-Z |
| | Subarrange each country by Table T4a |
| 811.Z6A-.Z6Z | Special companies. By name, A-Z |
| 812 | Arctic regions and Antarctica |
| | Including Spitzbergen, Bear Island, etc. |
| | Coal mining machinery, etc. |
| 813 | General works |
| 814 | Catalogs |
| 815 | Coal-handling machinery for colliery purposes |
| | For machinery for handling coal commercially see TJ1405 |
| | Coal preparation, washing, screening, etc. |
| 816.A1 | Periodicals, societies, etc. |
| 816.A3-Z | General works |
| 817 | Coal storage, weathering, etc. |
| | Underground gasification see TP759 |
| | Anthracite |
| 820 | General works |
| 823.A-Z | Special countries, A-Z |
| | Bituminous coal |
| 825 | General works |
| | Special countries see TN805+ |
| 827 | Cannel coal |
| | Subbituminous coal |
| 828 | General works |
| 830.A-Z | Special countries, A-Z |
| | Lignite. Brown coal |
| 831 | General works |
| 834.A-Z | Special countries, A-Z |
| | Peat |
| 837 | General works |
| 840.A-Z | Special countries, A-Z |
| 841 | Peat machinery |
| 842 | Peat straw, peat mull, etc. |
| | Coalbed methane |
| | Cf. TN305+ Mine safety |
| | Cf. TP761.M4 Gas industry |
| 844 | Periodicals, societies, etc. |
| 844.5 | General works |
| | By region or country |
| | United States |
| 844.6 | General works |
| 844.62.A-Z | By region or state, A-Z |
| 844.7.A-Z | Other regions or countries, A-Z |
| | Other natural carbons and hydrocarbons |
| 845 | Graphite |
| 847 | Schungite |
| 850 | Bitumen |
| 851 | Sapropel |

Nonmetallic minerals

Other natural carbons and hydrocarbons -- Continued

- 853 Asphalt
 - Including uses
- 857 Ozokerite, ceresin, natural paraffin
 - Cf. TP695 Chemical technology
- Oil shales
 - Cf. TP699 Chemical technology
- 858.A1 Periodicals, societies, etc.
- 858.A2-Z General works
- 859.A-Z Special countries, A-Z
 - Subarrange each country by Table T4a
- Petroleum. Petroleum engineering
 - Cf. HD9560+ Petroleum trade
 - Cf. TP690+ Refining, etc.
- 860 Periodicals, societies, etc.
- (862) Yearbooks
 - see TN860
- 863 Congresses
- 864 Collected works (nonserial)
- 865 Dictionaries and encyclopedias
- 867 Directories
- Biography
- 869 Collective
- 869.2.A-Z Individual, A-Z
- 870 General works
- 870.3 Juvenile works
- Origin and composition. Petroleum geology
 - For petroleum geology of specific regions or countries see TN872+
 - For analysis and testing see TP691
- 870.5 General works
- 870.515 Brines. Groundwater. Water chemistry
- 870.52 Capillarity
- 870.53 Mathematical modelling
- 870.54 Oil sands
- 870.55 Remote sensing
- 870.56 Rock mechanics
- 870.57 Traps. Reservoirs
- Prospecting see TN271.P4
- 871 General special
 - Including well testing, storage, diffusion, etc.
- 871.15 Addresses, essays, lectures
- 871.18 Reservoir oil pressure
- Well drilling
- 871.2 General works
- 871.215 Blowouts
- 871.22 Casing
- 871.23 Directional drilling
- 871.24 Formation damage
- 871.25 Horizontal well drilling
- 871.255 Hydraulic fracturing
 - Including hydraulic fracturing for natural gas
- 871.26 Managed pressure drilling
- 871.27 Muds. Fluids
- 871.3 Offshore well drilling
- 871.33 Underbalanced drilling

Nonmetallic minerals

Other natural carbons and hydrocarbons

Petroleum. Petroleum engineering -- Continued

- 871.35 Well logging
- 871.37 Secondary recovery of oil
- 871.4 Mobile offshore structures
- 871.5 Petroleum and gas well supplies
 - Including catalogs
- Special countries
 - Including geology of petroleum deposits in the region or country
- America
 - 872.A2 General works
 - By region or country
 - United States
 - 872.A3-.A34 Periodicals, societies, congresses, etc.
 - Documents
 - 872.A35-.A44 Serials
 - 872.A45 Monographs
 - Arrange by date
 - Directories see TN867
 - General works
 - By state, A-W
 - Special companies. By name, A-Z
 - Other regions or countries, A-Z
 - Subarrange each country by Table T4a
 - Europe
 - 874.A1 General works
 - 874.A4-Z Special countries, A-Z
 - Subarrange each country by Table T4a
 - 875 Caspian, Baku, etc.
 - Asia
 - 876.A1 General works
 - 876.A4-Z Special countries, A-Z
 - Subarrange each country by Table T4a
 - Africa
 - 877.A1 General works
 - 877.A4-Z Special countries, A-Z
 - Subarrange each country by Table T4a
 - Australia, Oceania, etc.
 - 878.A1 General works
 - 878.A6-Z Special countries or islands, A-Z
 - Subarrange each country or island by Table T4a
 - 878.2 Arctic regions
 - Including Greenland
- 879 Oil companies outside of United States
- Petroleum pipelines
 - Cf. TH9445.P38 Fire prevention and extinction
- 879.5 General works
- 879.52 Control
- 879.53 Design and construction
- 879.54 Equipment and supplies
- 879.55 Failure. Accidents. Leaks. Reliability
- 879.555 Flow assurance
- 879.56 Fluid dynamics
- 879.57 Insulation. Heat transmission
- 879.58 Maintenance and repair

| | |
|-----------|---|
| | Nonmetallic minerals |
| | Other natural carbons and hydrocarbons |
| | Petroleum. Petroleum engineering |
| | Petroleum pipelines -- Continued |
| 879.59 | Safety measures |
| 879.6 | Welding |
| | Natural gas |
| 880.A1 | Periodicals, societies, etc. |
| 880.A3-Z | General works |
| 880.2 | Gas well drilling |
| | For hydraulic fracturing see TN871.255 |
| 880.5 | Natural gas pipelines |
| | Natural gas storage see TP756 |
| | Underground natural gas storage see TP756.5 |
| | United States |
| 881.A1 | General works |
| 881.A2-.W | Special states, A-W |
| 882.A-Z | Other countries, A-Z |
| | Subarrange each country by Table T4a |
| 883 | Helium in natural gas |
| 884 | Hydrates in natural gas |
| 885 | Amber, fossil gums, etc. |
| 890 | Sulfur |
| | Alkalies |
| | Cf. TN919 Potassium salts |
| | Cf. TP222+ Chemical technology |
| 895 | General works |
| | United States |
| 896.A1 | General works |
| 896.A6-.W | States, A-W |
| 897.A-Z | Other countries, A-Z |
| | Subarrange each country by Table T4a |
| | Sodium salts. Soda deposits |
| 899 | General works |
| | Salt |
| | Mining and manufacture |
| 900 | General works |
| | By region or country |
| | United States |
| 902.A1 | General works |
| 902.A2-.W | By state, A-W |
| 903.A-Z | Other regions or countries, A-Z |
| | Subarrange each country by Table T4a |
| | Manufacture |
| 905 | Sea water |
| 907 | Saline springs |
| 909 | Company prospectuses, etc. |
| | Sodium sulfate see TN948.S7 |
| 911 | Nitrates. Chile saltpeter |
| | Cf. TP237+ Chemical technology |
| | Phosphates |
| 913 | General works |
| 914.A-Z | Special countries, A-Z |
| | Subarrange each country by Table T4a |
| 917 | Borax and other borates |

- Nonmetallic minerals -- Continued
- 919 Potassium salts. Potash-bearing rocks and plants. Kelp
Cf. TP245.P8 Chemical technology
- Mineral waters
Cf. GB1198+ Hot springs
Cf. RA794 Health resorts, spas, etc.
Cf. TP625 Artificial mineral waters
- 923 General works
United States
- 925 General works
- 926.A-.W Special states, A-W
- 927.A-Z Other American countries, A-Z
Subarrange each country by Table T4a
- Europe
- 928.A1 General works
- 928.A3-Z By country, island, or region, A-Z
Subarrange each country or island by Table T4a
- Asia
- 929.1.A1 General works
- 929.1.A3-Z By country, island, or region, A-Z
Subarrange each country or island by Table T4a
- Africa
- 929.3.A1 General works
- 929.3.A3-Z By country, island, or region, A-Z
Subarrange each country or island by Table T4a
- Australia
- 929.5.A1 General works
- 929.5.A3-Z Local, A-Z
- New Zealand
- 929.6.A1 General works
- 929.6.A3-Z Local, A-Z
- Pacific islands
- 929.7.A1 General works
- 929.7.A3-Z By country, island, or region, A-Z
Subarrange each country or island by Table T4a
- 930 Asbestos
- 933 Mica
- 936 Abrasives. Emery, corundum, etc.
- 939 Sand and gravel
- Clay
Cf. TP785+ Ceramic industries
- 941 General works
- 942 United States
- 943.A-Z Other countries, A-Z
Subarrange each country by Table T4a
- Structural materials in general see TN950+
- 945 Cement materials
- 946 Gypsum
Cf. TP888 Plaster and other gypsum products
- 948.A-Z Other specific nonmetallic minerals, A-Z
Including minerals from which metals are not normally extracted
- 948.A5 Allanite
- 948.A6 Alunite
- 948.A65 Anhydrite
- 948.A7 Apatite
- 948.A76 Argillite

Nonmetallic minerals

Other specific nonmetallic minerals, A-Z -- Continued

| | |
|----------|------------------------|
| 948.B18 | Barite |
| 948.B4 | Bentonite |
| 948.B45 | Beryl |
| | Calcite see TN967 |
| 948.C3 | Carbonatites |
| 948.C34 | Carnallite |
| 948.C5 | Chalk. Whiting |
| 948.C55 | Chiolite |
| 948.C6 | Clinoptilolite |
| 948.C72 | Conglomerate |
| 948.C73 | Coprolites |
| 948.C75 | Cordierite |
| (948.C8) | Corundum |
| | see TN936 |
| 948.C95 | Cyanite |
| 948.D49 | Diaspore |
| 948.D5 | Diatomaceous earth |
| 948.D8 | Dumortierite |
| 948.F3 | Feldspar |
| 948.F45 | Fillers |
| 948.F5 | Flint |
| 948.F6 | Fluorspar |
| 948.F9 | Fullers' earth |
| | Garnet see TN997.G3 |
| 948.H3 | Halloysite |
| 948.L3 | Laterite |
| 948.L46 | Lime |
| 948.M2 | Magnesite |
| 948.M3 | Marl |
| 948.M5 | Meerschaum |
| 948.M7 | Monazite |
| 948.M72 | Montmorillonite |
| | Mordenite see TN948.Z4 |
| 948.M8 | Mullite |
| 948.M85 | Muscovite |
| 948.N37 | Nepheline syenite |
| 948.N4 | Nephelite (Nepheline) |
| 948.O2 | Ocher |
| 948.P25 | Palygorskite |
| 948.P38 | Pegmatites |
| 948.P4 | Perlite |
| 948.P5 | Pigments |
| 948.P74 | Pumice |
| 948.P8 | Pyrite |
| 948.P82 | Pyrochlore |
| 948.P85 | Pyrophyllite |
| 948.Q3 | Quartz |
| 948.R45 | Rhodonite |
| 948.S24 | Saprolites |
| 948.S4 | Selenium |
| 948.S45 | Serpentine |
| 948.S5 | Shale |
| | Cf. TN858+ Oil shales |
| 948.S6 | Silica |

Nonmetallic minerals

Other specific nonmetallic minerals, A-Z -- Continued

948.S63 Sillimanite
 948.S7 Sodium sulfate
 948.S9 Syenite
 948.T2 Talc and soapstone
 948.T74 Tripoli
 948.T76 Trona
 948.T9 Tysonite
 948.V4 Vermiculite
 Whiting see TN948.C5
 948.W6 Wollastonite
 948.Z4 Zeolites. Mordenite

Building and ornamental stones

Cf. TA426+ General properties, testing, etc.

Cf. TA670+ Stonemasonry and stonecutting

950.A1 Periodicals, societies, etc.

950.A5-Z General works

Special countries

America

951.A1 General works

United States

951.A5 General works

951.A6-.W Special states, A-W

952.A-Z Other American countries, A-Z

Europe

953.A1 General works

953.A3-Z Special countries, A-Z

Asia

954.A1 General works

954.A3-Z Special countries, A-Z

Africa

955.A1 General works

955.A3-Z Special countries, A-Z

Australia. Oceania

956.A1 General works

956.A3-Z Special countries, A-Z

Special stones

957 Sandstone

958 Slate

Soapstone see TN948.T2

967 Limestone. Marble

970 Granite

973 Other building stones

Stones for roadmaking see TE200+

Ornamental stones. Gems

980 General works

Special countries

America

981.A1 General works

United States

981.A5 General works

981.A6-.W Special states, A-W

982.A-Z Other American countries, A-Z

Europe

983.A1 General works

| | |
|----------|--|
| | Building and ornamental stones |
| | Ornamental stones. Gems |
| | Special countries |
| | Europe -- Continued |
| 983.A3-Z | Special countries, A-Z |
| | Asia |
| 984.A1 | General works |
| 984.A3-Z | Special countries, A-Z |
| | Africa |
| 985.A1 | General works |
| 985.A3-Z | Special countries, A-Z |
| | Australia. Oceania |
| 986.A1 | General works |
| 986.A3-Z | Special countries, A-Z |
| 989.A-Z | Special ornamental stones (other than gems), A-Z |
| 989.A3 | Alabaster |
| 989.B55 | Blue john |
| 989.S45 | Selenite |
| | Diamonds |
| 990 | General works |
| | South Africa |
| 991 | General works |
| 992 | Company reports, etc. |
| 993 | United States |
| 994.A-Z | Other special countries, A-Z |
| 997.A-Z | Other precious and semiprecious stones, A-Z |
| 997.A35 | Agates |
| 997.E5 | Emeralds |
| 997.G3 | Garnets |
| 997.J3 | Jade |
| 997.M35 | Malachite |
| 997.O7 | Opals |
| 997.R83 | Rubies |
| 997.S24 | Sapphires |
| 997.T87 | Turquoise |

- Chemical technology
 Cf. HD9000+ Economics
- 1 Periodicals, societies, etc.
- 5 Congresses
 Exhibitions. Museums
- 6.A1 General works
- 6.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 7 Collected works (nonserial)
- 9 Dictionaries and encyclopedias
- 12 Directories
- History
- 15 General works
- 16 Ancient
- 17 Medieval
- 18 Modern
- 19 Nineteenth century
- 20 Twentieth century
- 21-127 Country divisions (Table T1a)
 Add country number in table to TP0
- 130.A-Z Special companies, A-Z
 Including history, description, etc.
- Biography
- 139 Collective
- 140.A-Z Individual, A-Z
- General works
- 144 Early to 1900
- 145 1900-
- 146 Elementary works
- 147 Popular works
- Addresses, essays, lectures see TP185
- 149 General special
- 150.A-Z Special aspects of the subject as a whole, A-Z
- 150.A23 Accidents. Disasters
 For works on accidents in specific places see TP21+
- 150.A88 Automation
 Data processing see TP184
 Disasters see TP150.A23
- 150.Q34 Quality control
- 150.S24 Safety measures
- 151 Tables, pocketbooks, etc.
 Cf. T49 Technical receipts
- Chemical engineering
 For chemical engineering aspects of atomic power see TK9350
- 155 General works
- 155.2.A-Z Special aspects of the subject as a whole, A-Z
 Data processing see TP184
- 155.2.E58 Environmental chemistry. Green chemistry
 Green chemistry see TP155.2.E58
- 155.2.M34 Markov processes
- 155.2.M35 Mathematical models
- 155.2.M36 Mathematics
- 155.2.T43 Technological innovations
- 155.2.T45 Thermodynamics
- Chemical plants
 Cf. TH4524 Building construction

| | |
|----------|---|
| | Chemical engineering |
| | Chemical plants -- Continued |
| 155.5 | General works |
| 155.6 | Management |
| | Chemical processes |
| 155.7 | General works |
| 155.75 | Chemical process control |
| | Including nonlinear programming |
| | Cf. TP184 Data processing |
| 156.A-Z | Special processes and operations, A-Z |
| 156.A3 | Absorption of gases |
| 156.A33 | Acoustics. Ultrasonics |
| 156.A35 | Adsorption |
| 156.B7 | Briquetting |
| 156.C3 | Carbonization |
| 156.C35 | Catalysis |
| 156.C38 | Cavitation |
| 156.C5 | Chromatography |
| 156.C57 | Coating processes |
| | Cf. TA418.9.C57 Coatings |
| | Cf. TS670+ Electroplating |
| | Cf. TT300+ Industrial painting |
| 156.C59 | Compacting |
| 156.C6 | Condensation |
| 156.C64 | Controlled release technology |
| | Cooling see TP363 |
| 156.C7 | Crystallization |
| 156.C8 | Curing |
| | Dehydration see TP363 |
| 156.D4 | Dehydrogenation |
| 156.D42 | Demulsification |
| 156.D43 | Desulphuration |
| | Cf. TD885.5.S85 Air pollution control |
| 156.D45 | Dialysis |
| 156.D47 | Diffusion |
| 156.D5 | Distillation |
| (156.D7) | Drying |
| | see TP363 |
| 156.E5 | Electrostatic separation |
| 156.E6 | Emulsion |
| 156.E65 | Equilibrium |
| 156.E68 | Etching |
| | Including lithographic chemistry |
| (156.E7) | Evaporation |
| | see TP363 |
| 156.E8 | Extraction |
| 156.E98 | Extrusion |
| 156.F4 | Fermentation, Industrial |
| | Cf. TP248.25.S64 Solid-state fermentation |
| 156.F5 | Filtration |
| 156.F55 | Flocculation |
| | Flow chemistry see TP156.F6 |
| 156.F6 | Flow of liquids |
| | Including flow chemistry |
| 156.F65 | Fluidization |
| 156.F66 | Foam fractionation |

Chemical engineering

Special processes and operations, A-Z -- Continued

- (156.G7) Grinding
 see TP156.S5
- 156.H78 Heating see TP363
- 156.H8 Hydrogen-ion concentration
- 156.H82 Hydrogenation
- 156.H85 Hydrolysis
- 156.I6 Hydroxylation
- 156.I7 Ion exchange
- 156.M26 Isotope separation
- 156.M3 Lithographic chemistry see TP156.E68
- 156.M45 Magnetic separation
 Cf. TN530 Ore dressing and milling
- 156.M5 Mass transfer
- 156.M65 Methanation
- 156.N5 Mixing
- 156.N8 Molding
- 156.O7 Nitration
- 156.O9 Nucleation
- 156.P3 Osmosis. Reverse osmosis
- 156.P4 Oxidation
- 156.P5 Particle technology
- 156.P6 Pelletizing
- 156.P7 Plasma
- 156.P75 Polymerization
- 156.P8 Precipitation
- 156.P83 Pressure processes
- 156.P9 Pumping
- 156.R35 Purification
- 156.R38 Pyrolysis
- 156.R4 Rectification
- 156.R45 Recycle processes
- 156.S3 Reduction
- 156.S32 Reverse osmosis see TP156.O7
- 156.S4 Rheology
- 156.S45 Screening
- 156.S5 Scrubber process
- 156.S55 Sedimentation
- 156.S57 Separation
 Cf. TP156.M26 Magnetic separation
 Cf. TP248.25.M46 Membrane separation (Biotechnology)
 Cf. TP248.25.S47 Biotechnology
- 156.S6 Size reduction. Grinding
- 156.S8 Solidification
- 156.S9 Sprouted bed processes
- 156.S95 Spraying
- 156.T7 Sterilization
- 156.V3 Sublimation
- 156.W4 Surface analysis
- 156.W45 Transport processes
- 156.Z6 Ultrasonics see TP156.A33
- 156.V3 Vacuum technology
- 156.W4 Weighing and measuring
- 156.W45 Wetting
- 156.Z6 Zone melting

| | |
|---------|--|
| | Apparatus and supplies |
| 157 | General works |
| 158 | Trade catalogs |
| 159.A-Z | Special, A-Z |
| 159.A47 | Antifoaming agents |
| 159.A5 | Antioxidants |
| 159.A85 | Atomizers |
| 159.A9 | Autoclaves |
| 159.C3 | Catalysts |
| 159.C4 | Centrifuges |
| 159.C46 | Chemical detectors |
| 159.C55 | Coagulants |
| 159.C57 | Compressors |
| 159.C6 | Cooling towers |
| 159.D4 | Densimeters |
| | Detectors, Chemical see TP159.C46 |
| 159.D5 | Distillation apparatus |
| 159.D7 | Drying agents |
| 159.E37 | Electrochemical sensors |
| 159.E39 | Electrodes |
| 159.E4 | Electrolytic cells |
| 159.E85 | Evaporators |
| 159.E9 | Extractors |
| 159.F4 | Feeders |
| 159.F47 | Fillers |
| 159.F49 | Fixed bed reactors |
| 159.F52 | Flare gas systems |
| 159.F54 | Flocculants |
| 159.F87 | Furnaces |
| 159.H4 | Heat transfer media |
| 159.L4 | Leaching equipment |
| 159.M4 | Membranes |
| | Cf. TP248.25.M46 Membrane separation (Biotechnology) |
| 159.M53 | Microreactors |
| 159.M6 | Molecular sieves |
| 159.N6 | Nozzles |
| 159.O9 | Oxidizing agents |
| 159.P3 | Packed towers |
| 159.P5 | Pipe |
| 159.P57 | Plasma jets |
| 159.P6 | Plate towers |
| | Pressure vessels see TS283 |
| 159.P8 | Pumping machinery |
| 159.S34 | Scrubbers |
| | Sensors, Chemical see TP159.C46 |
| 159.S4 | Separators (Machine) |
| 159.S6 | Sorbents |
| 159.S7 | Steam-jacketed pans |
| 159.S73 | Steaming apparatus |
| 159.V3 | Vacuum tubes |
| 159.V34 | Valves |
| 159.V52 | Vibrators |
| 161 | Laboratory manuals |
| | Study and teaching. Research |
| 165 | General works |
| 168 | Problems, exercises, etc. |

- Study and teaching -- Continued
- Country divisions
- America
- 170 General works
- United States
- 171 General works
- 172.A-.W By state, A-W
- 173 Canada
- 174 Latin America. West Indies
- 175 South America
- 176 Europe
- 177 Asia
- 178 Africa
- 179 Australia
- 179.5 New Zealand
- 180 Pacific islands
- Special schools
- 182 United States
- 183.A-Z Other countries, A-Z
- 184 Data processing
- Cf. TP155.75 Chemical process control
- 185 Addresses, essays, lectures
- Chemical engineering as a profession
- 186 General works
- 186.5 Chemical technicians
- Communication in chemical engineering
- 186.7 General works
- 186.8 Computer network resources
- Including the Internet
- Government and industrial laboratories, etc.
- 187 General works
- Including organization, etc.
- Special countries
- 190 United States
- 191 Canada. British America
- Other American countries
- 192.A1 General works
- 192.A2-Z By region or country, A-Z
- Europe
- 193.A1 General works
- 193.A2-Z By region or country, A-Z
- Asia
- 194.A1 General works
- 194.A2-Z By region or country, A-Z
- Africa
- 195.A1 General works
- 195.A2-Z By region or country, A-Z
- 196 Australia
- 196.5 New Zealand
- 197 Pacific islands
- Chemicals
- Class here manufacture, use, etc.
- For purification see TP156.P83
- 200 General works
- 201 General special

| TP | CHEMICAL TECHNOLOGY | TP |
|---------|---|----|
| | Chemicals -- Continued | |
| 202 | Catalogs, pricelists, etc.
Cf. TK9401 Radioisotopes | |
| | Directories see TP12 | |
| 205.A-Z | Special topics, A-Z | |
| 205.S85 | Storage | |
| 210 | Patents | |
| | Special inorganic chemicals | |
| | Acids | |
| 213 | General works | |
| 215 | Sulfuric acid | |
| 217.A-Z | Other acids, A-Z
For organic acids see TP248.A+ | |
| 217.C5 | Chromic | |
| 217.H8 | Hydrochloric | |
| 217.H9 | Hydrocyanic | |
| 217.H94 | Hydrofluoric | |
| 217.N5 | Nitric | |
| 217.P4 | Perchloric | |
| 217.P5 | Phosphoric | |
| | Alkalies | |
| | Cf. TN895+ Mineral industries | |
| 222 | General works | |
| 223 | Ammonia and its compounds
Other special see TP245.A+ | |
| | Salts | |
| 230 | General works | |
| 233 | Chlorides | |
| | Nitrates | |
| 237 | General works | |
| 238 | Saltpeter. Niter | |
| 240 | Sulfates and sulfites | |
| | Gases | |
| 242 | General works | |
| 243 | Compressed and liquefied gases
Including cylinders | |
| 244.A-Z | Special gases, A-Z
For gaseous elements see TP245.A+
Cf. TP750.2+ Gas industry | |
| 244.A3 | Aerosols | |
| 244.C1 | Carbon dioxide | |
| 244.G73 | Greenhouse gases | |
| 244.R3 | Rare gases | |
| 244.S83 | Sulfur dioxide | |
| 245.A-Z | Other inorganic chemicals. By principal elements, A-Z
Class here commercial products only
For pure chemistry see QD181.A+ | |
| 245.A4 | Aluminum | |
| 245.A6 | Antimony | |
| 245.A7 | Argon | |
| 245.A8 | Arsenic | |
| 245.B2 | Barium | |
| 245.B4 | Beryllium | |
| 245.B5 | Bismuth | |
| 245.B6 | Boron | |
| 245.B7 | Bromine | |

Chemicals

Special inorganic chemicals

Other inorganic chemicals. By principal elements, A-Z -- Continued

| | |
|---------|------------------------|
| 245.C2 | Cadmium |
| 245.C25 | Caesium |
| 245.C3 | Calcium |
| 245.C4 | Carbon |
| 245.C45 | Cerium |
| 245.C5 | Chlorine |
| 245.C6 | Chromium |
| 245.C7 | Cobalt |
| 245.C8 | Copper |
| 245.E6 | Erbium |
| 245.F6 | Fluorine |
| 245.G2 | Gadolinium |
| 245.G4 | Gallium |
| 245.G5 | Germanium |
| 245.G6 | Gold |
| 245.H4 | Helium |
| 245.H9 | Hydrogen |
| 245.I5 | Indium |
| 245.I6 | Iodine |
| 245.I7 | Iridium |
| 245.I8 | Iron |
| 245.K6 | Krypton |
| 245.L2 | Lanthanum |
| 245.L4 | Lead |
| 245.L5 | Lithium |
| 245.M2 | Magnesium |
| 245.M3 | Manganese |
| 245.M5 | Mercury |
| 245.M7 | Molybdenum |
| 245.N4 | Neodymium |
| 245.N5 | Neon |
| 245.N6 | Nickel |
| 245.N7 | Niobium |
| 245.N8 | Nitrogen |
| 245.O7 | Osmium |
| 245.O9 | Oxygen. Ozone |
| 245.P2 | Palladium |
| 245.P5 | Phosphorus |
| 245.P7 | Platinum |
| 245.P8 | Potassium |
| 245.P9 | Praseodymium |
| 245.P94 | Promethium |
| 245.P95 | Protoactinium |
| 245.R2 | Radium |
| 245.S2 | Samarium |
| 245.S3 | Scandium |
| 245.S4 | Selenium |
| 245.S5 | Silicon |
| | Silicones see TP248.S5 |
| 245.S6 | Silver |
| 245.S7 | Sodium |
| 245.S8 | Strontium |
| 245.S9 | Sulfur |

Chemicals

Special inorganic chemicals

Other inorganic chemicals. By principal elements, A-Z -- Continued

| | |
|---------|-----------|
| 245.T2 | Tantalum |
| 245.T3 | Tellurium |
| 245.T4 | Terbium |
| 245.T5 | Thallium |
| 245.T6 | Thorium |
| 245.T7 | Thulium |
| 245.T8 | Tin |
| 245.T85 | Titanium |
| 245.T9 | Tungsten |
| 245.U7 | Uranium |
| 245.V2 | Vanadium |
| 245.V5 | Victorium |
| 245.X4 | Xenium |
| 245.Y8 | Ytterbium |
| 245.Y9 | Yttrium |
| 245.Z7 | Zinc |
| 245.Z8 | Zirconium |

Organic chemicals and preparations

| | |
|----------|--|
| 247.A1 | Periodicals, societies, etc. |
| 247.A2-Z | General works |
| 247.2 | Acids |
| 247.5 | Solvents |
| 247.7 | Plasticizers |
| 248.A-Z | Special, A-Z |
| | For chemical technology of specific drugs see RS431.A+ |
| 248.A17 | Acetates |
| 248.A18 | Acetic acid |
| | Including wood vinegar |
| 248.A2 | Acetone |
| 248.A28 | Acridines |
| 248.A4 | Acrylic acid |
| 248.A5 | Alcohols |
| | Cf. TP593 Fermentation industries |
| 248.A53 | Aldehydes. Ketones |
| 248.A554 | Alkenes (Olefins) |
| | Cf. QD305.H7 Organic chemistry |
| 248.A555 | Allene |
| 248.A56 | Allyl compounds |
| 248.A6 | Amino acids |
| 248.A62 | Antibiotics |
| | Antibodies, Monoclonal see TP248.65.M65 |
| 248.A7 | Aromatic compounds |
| 248.A8 | Ascorbic acid |
| 248.A9 | Aziridines |
| 248.B4 | Benzene |
| 248.B5 | Benzoic acid |
| 248.B55 | Biomass chemicals |
| 248.B57 | Biosurfactants |
| 248.B6 | Boron organic compounds |
| 248.B78 | Butanediol |
| 248.B8 | Butanone |
| 248.B87 | Butylene |
| 248.C15 | Calcium gluconate |

Chemicals

Organic chemicals and preparations

Special, A-Z -- Continued

| | |
|---------|--|
| 248.C2 | Camphor |
| 248.C24 | Carbodiimides |
| 248.C27 | Carbohydrates |
| 248.C3 | Carbolic acid |
| 248.C34 | Carbon disulfide |
| 248.C38 | Carboxymethyl cellulose |
| 248.C4 | Casein |
| 248.C45 | Cellulose acetate |
| 248.C5 | Chloroform |
| 248.C6 | Citric acid |
| 248.C67 | Cresols |
| 248.C7 | Cresylic acid |
| 248.C9 | Cyanides |
| 248.C93 | Cyanocobalamine |
| 248.C94 | Cyclodextrins |
| 248.D5 | Diolefins |
| 248.E5 | Enzymes |
| 248.E62 | Esters |
| 248.E65 | Ether |
| 248.E68 | Ethylcellulose |
| 248.E72 | Ethylene |
| 248.F5 | Fluoro-organic compounds |
| 248.F6 | Formaldehyde |
| 248.F63 | Formic acid |
| 248.F79 | Fungicides |
| 248.F8 | Furaldehyde |
| 248.G6 | Glucosides |
| 248.G65 | Glutamic acid |
| | Glycerin see TP973 |
| 248.H3 | Halogens |
| 248.H36 | Herbicides |
| 248.H4 | Hexachlorethane |
| 248.H43 | Hexone |
| 248.H85 | Hydrazine |
| 248.H9 | Hydrocarbons |
| | Cf. TP290.H9 Inflammable material |
| 248.I57 | Insecticides |
| 248.I8 | Isocyanates |
| 248.I86 | Isoprene |
| | Ketones see TP248.A53 |
| 248.L27 | Lactams |
| 248.L3 | Lactic acid |
| 248.M4 | Menthol |
| 248.M43 | Metal carbonyls |
| 248.M45 | Metallo-organic compounds |
| 248.M48 | Methyl sulfoxide |
| | Monoclonal antibodies see TP248.65.M65 |
| 248.N7 | Nitrocellulose |
| 248.N8 | Nitrogen compounds |
| 248.N9 | Nucleotides |
| 248.O9 | Oxalic acid |
| 248.P4 | Pectin |
| 248.P44 | Pentosan |

Chemicals

Organic chemicals and preparations

Special, A-Z -- Continued

- 248.P46 Peroxides
- 248.P47 Pesticides
- 248.P5 Phenol products
- 248.P55 Phosphatides
- 248.P6 Phthalic acid
- 248.P62 Phthalocyanins
- 248.P65 Picric acid
- 248.P67 Polymethylbenzenes
- 248.P675 Polyphosphazenes
- 248.P68 Polysaccharides
- 248.P73 Proline
- 248.P75 Propylene
- 248.P77 Proteins
- 248.P8 Pyridine
- (248.S3) Saccharin
 - see TP424
- 248.S5 Silicones
- 248.S6 Sorbitol
- 248.S7 Starch
 - Cf. TP415+ Food industry
- 248.S76 Stearates
- 248.S8 Stearic acid
- 248.S9 Sugar esters
- 248.S93 Sulfur organic compounds
- 248.T27 Tartaric acid
- 248.T3 Tartrates
- 248.T46 Terephthalic acid
- 248.T55 Tocopherol
- 248.T6 Toluene
- 248.T7 Trichloroethylene
- 248.U7 Urea
- Vinegar, Wood see TP248.A18
- (248.W6) Wood alcohol
 - see TP594
- Wood vinegar see TP248.A18
- 248.X9 Xyloles
- 248.X95 Xylose

Biotechnology

- Cf. QR183.5 Immunotechnology
- Cf. RS380 Pharmaceutical biotechnology
- Cf. S494.5.B563 Agricultural biotechnology
- Cf. TD192.5+ Environmental biotechnology

- 248.13 Periodicals. Societies. Serials
- 248.14 Congresses
- 248.15 Collected works (nonserial)
- 248.16 Dictionaries and encyclopedias
- 248.162 Symbols, formulas, abbreviations
- 248.17 Directories
- 248.175 Patents
- 248.18 History
- By region or country
 - United States
- 248.185 General works

- Biotechnology
 - By region or country
 - United States -- Continued
 - By region or state, A-Z
 - Other regions or countries, A-Z
 - General works
 - Popular works
 - Juvenile works
 - Study and teaching
 - Social aspects
 - Processes, operations, and techniques
 - General works
 - Special, A-Z
 - Automation. Computer simulation. Data processing
 - Bilayer lipid membranes
 - BioMEMS
 - Bioreactors and bioreactor processes
 - Capillary electrophoresis
 - Cell adhesion
 - Cell culture
 - Computer simulation see TP248.25.A96
 - Control see TP248.25.M65
 - Cryopreservation
 - Data processing see TP248.25.A96
 - Extraction
 - Flocculation
 - Flow cytometry
 - Granulation
 - High performance liquid chromatography
 - High pressure
 - Immobilized cell processes
 - Luminescence
 - Magnetic separation
 - Mass spectrometry
 - Mathematical models
 - Measurement
 - Membrane reactors
 - Membrane separation
 - Mixed culture
 - Molecular communication see TK5103.57
 - Molecular machinery
 - Monitoring. Control
 - Nanotechnology
 - Near infrared spectroscopy
 - Pervaporation
 - Phase partition
 - Pressure, High see TP248.25.H56
 - Separation
 - Solid-state fermentation
 - Special biotechnologies, A-Z
 - Algal biotechnology
 - Animal cell biotechnology
 - Fungal biotechnology
 - Insect cell biotechnology
 - Marine biotechnology
 - Methylophilic microorganisms
- 248.19.A-Z
- 248.195.A-Z
- 248.2
- 248.215
- 248.218
- 248.22
- 248.23
- 248.24
- 248.25.A-Z
- 248.25.A96
- 248.25.B53
- 248.25.B54
- 248.25.B55
- 248.25.C37
- 248.25.C42
- 248.25.C44
- 248.25.C79
- 248.25.E88
- 248.25.F55
- 248.25.F57
- 248.25.G7
- 248.25.H54
- 248.25.H56
- 248.25.I55
- 248.25.L85
- 248.25.M34
- 248.25.M38
- 248.25.M39
- 248.25.M43
- 248.25.M45
- 248.25.M46
- 248.25.M58
- 248.25.M645
- 248.25.M65
- 248.25.N35
- 248.25.N42
- 248.25.P44
- 248.25.P53
- 248.25.S47
- 248.25.S64
- 248.27.A-Z
- 248.27.A46
- 248.27.A53
- 248.27.F86
- 248.27.I56
- 248.27.M37
- 248.27.M47

Biotechnology

Special biotechnologies, A-Z -- Continued

248.27.M53

Microbial biotechnology

Cf. TN688.3.B33 Hydrometallurgy

248.27.P55

Plant biotechnology

Cf. SB106.B56 Crops

248.27.P75

Protozoan biotechnology

248.27.Y43

Yeast biotechnology

248.3

Biochemical engineering. Bioprocess engineering

For industrial applications of specific biomolecules or classes of biomolecules see TP248.A+

Cf. TP156.F4 Industrial fermentation

Cf. TP248.3 Hydrometallurgy

Cf. TP500+ Fermentation industries

248.6

Genetic engineering applications

Cf. QH442+ Genetic engineering (Biology)

Biotechnological production, modification, and applications of individual compounds or classes of compounds

248.65.A-Z

Special, A-Z

248.65.A39

Allergens

248.65.A43

Amino acids

248.65.A45

Amylodextrins

248.65.A57

Antibiotics

248.65.B56

Blood products

Carbohydrates see TP248.65.P64

248.65.C35

Carbon compounds

248.65.C44

Cellulase

248.65.C45

Cellulose

248.65.C55

Chitin

248.65.C58

Citric acid

248.65.C92

Cyclodextrins

248.65.E35

Eggs

248.65.E59

Enzymes

248.65.F44

Feeds

248.65.F66

Food

248.65.G49

Glycoconjugates

248.65.H9

Hydrogen

248.65.H93

Hydrolases

248.65.I45

Immobilized enzymes

248.65.I47

Immobilized proteins

248.65.I49

Immunoglobulins

248.65.L54

Lignocellulose

248.65.L57

Lipids

248.65.M37

Materials

248.65.M53

Microbial exopolysaccharides

248.65.M54

Microbial proteins

248.65.M65

Monoclonal antibodies

248.65.O65

Optical isomers

248.65.O73

Organic compounds

248.65.P53

Plant lipids

248.65.P58

Polyethylene glycol

248.65.P62

Polymers

248.65.P64

Polysaccharides. Carbohydrates

248.65.P76

Proteins

248.65.S55

Single cell lipids

248.65.S56

Single cell proteins

248.65.V32

Vaccines

- Biotechnology
 - Biotechnological production, modification, and applications of individual compounds or classes of compounds
 - Special, A-Z -- Continued
- 248.65.V57 Vitamins
- 249 Industrial radiochemistry. Industrial radiation chemistry
- 249.5 Industrial photochemistry
- Industrial electrochemistry
 - Cf. QD115+ Electrochemical analysis
 - Cf. QD273 Electrochemistry of organic compounds
 - Cf. QD551+ Chemistry
 - Cf. TK4661 Electric furnaces
- 250 Periodicals, societies, etc.
- 251 Directories
- 252 History
- 253.A-Z Special countries, A-Z
- 255 General works
- 256 General special
- 257 Addresses, essays, lectures
- 258 Study and teaching
- Special applications
- 259
 - Electrolysis of water
 - Electroplating see TS670+
 - Electrotyping see Z252
 - Metallurgical processes (General) see TN681+
 - Other special, A-Z
- 261.A-Z
- 261.A1 Alloys
- 261.B7 Brine
- Calcium carbide see TP770
- 261.C3 Carborundum
- 261.C5 Chlorates
- 261.C67 Corundum
- 261.G7 Graphite
- 261.H9 Hydrogen
- 261.N7 Nitrogen
- 261.O9 Oxygen
- 261.P48 Phosphorus
- Water in chemical industry
- 262 General works
- 263 Water softening
 - Cf. TD466 Municipal water supply
 - Cf. TJ379 Feedwater purification
- Chemistry of fire and fire prevention
 - Cf. QD516 Heat of formation, combustion, flame, explosion
 - Cf. TH9446.3+ Flammability of materials
- 265 General works
- 266 Fire extinguishing agents
 - Cf. TH9338 Chemical systems of fire extinction
- 266.5 Fireproofing agents
- 267 Fireproofing of fabrics
- Explosives and pyrotechnics
- 267.5 General works
- 268 History
- Special topics see TP272+
- 268.5.A-Z Biography, A-Z
 - e.g.

- Explosives and pyrotechnics
 - Biography, A-Z -- Continued
 - Nobel
 - 268.5.N7 Early works to 1800
 - 269 Explosives
 - Cf. UF860+ Military explosives and pyrotechnics
 - 270.A1 Periodicals, societies, etc.
 - 270.A2 Dictionaries and encyclopedias
 - 270.A3-Z General works
 - 270.5 Popular works. Juvenile works
 - 271 Study, testing, etc.
 - Special explosives
 - 272 Gunpowder
 - 273 Smokeless powder
 - 276 Nitrocellulose compounds. Guncotton
 - 285 Nitroglycerine compounds. Dynamite
 - 290.A-Z Other, A-Z
 - 290.A5 Ammonium nitrate fuel oil
 - 290.B7 Bobbinite
 - 290.C7 Compensating powder
 - 290.C8 Cordite
 - Cyclonite see TP290.R39
 - 290.C9 Cyclotetramethylene-tetranitramine
 - 290.H9 Hydrocarbons
 - Cf. TP248.H9 Organic preparations
 - 290.L5 Liquid air or oxygen
 - 290.L8 Lyddite. Melanite
 - 290.N53 Nitrogen compounds
 - 290.P5 Peroxides
 - 290.R39 RDX (Cyclonite)
 - 290.T8 Trinitrotoluene (TNT)
 - 290.V5 Vigorit
 - 291 Additives
 - 293 Fuses, caps, fulminates, etc.
 - 295 Storage and handling. Powder magazines. Thaw houses
 - 297.A-Z Regulation, inspection, etc. By country, A-Z
 - (299) Laws relating to explosives
 - see class K
 - Pyrotechnics
 - 300 General works
 - 301 Catalogs of fireworks, etc.
- Matches
 - 310 Fuel
 - Cf. TH7201+ Heating of buildings
 - Cf. TJ163.13+ Power resources
 - 315 Periodicals, societies, congresses, etc.
 - 316 Dictionaries and encyclopedias
 - 317.A-Z Special countries, A-Z
 - 318 General works
 - 318.3 Juvenile works
 - 319 General special
 - Including fuel for motor transport
 - Cf. TP343+ Liquid and gaseous fuel
- 320 Minor works, pamphlets, etc.
- 320.5 Tables, calculations, etc.

Fuel -- Continued

Analysis. Testing

Cf. TP691 Oil inspection, analysis, testing, standards, etc.

Cf. TP754 Analysis, tests, etc. in the gas industry

321

General works

322

Fuel testing plants

323

Briquets and briquetting (General)

For special kinds see the subject

Cf. TP327 Coal briquets

Cf. TP340 Peat

324

Wood

Coal

Cf. TP352 Coal liquefaction

325

General works

326.A-Z

By region or country, A-Z

327

Coal briquets

328

Pulverized coal

329

Lignite

331

Charcoal

336

Coke. Carbonization of coal

339

Biomass

Cf. TP324 Wood

340

Peat

Liquid and gaseous fuel

Cf. TL704.7 Fuel for aircraft engines

Cf. TP750.2+ Gas industry

343

General works

Gas

345.A1

Periodicals, societies, congresses, etc.

345.A2-Z

General works

350

Natural gas

Cf. TP359.M4 Methane

352

Coal liquefaction

355

Petroleum

Including synthetic petroleum

358

Alcohol and alcohol mixtures. Ethanol. Gasohol

359.A-Z

Other special, A-Z

359.B4

Benzene (Benzol)

359.B46

Biodiesel fuels

359.B48

Biogas

359.C63

Coconut oil

Diesel fuels, Oxygenated see TP359.O98

359.H8

Hydrogen

359.K47

Kerosene as fuel

359.L5

Liquefied petroleum gas

359.M4

Methane

359.O98

Oxygenated diesel fuels

359.V44

Vegetable oils

360

Other

Including colloidal fuel, mud fuel, artificial fuel

361

Inflammable liquids and gases

Including production, storage, handling and transportation

Cf. TH9446.I475 Fire prevention

Cf. TH9446.I5 Fire prevention

362

Antifreeze solutions

| TP | CHEMICAL TECHNOLOGY | TP |
|------------|--|----|
| 363 | Heating, drying, cooling, evaporating
Cf. TP159.D7 Drying agents
Cf. TP159.H4 Heat transfer media | |
| 365 | By-products of combustion
Food processing and manufacture
For beverages see TP500+
Cf. TX341+ Nutrition
Cf. TX641.2+ Cooking | |
| 368 | Periodicals. Societies. Congresses | |
| 368.2 | Dictionaries and encyclopedias | |
| 368.3 | Directories | |
| 368.4 | Catalogs | |
| 368.5 | Patents | |
| 368.6 | History | |
| 369.A-Z | By region or country, A-Z
Biography | |
| 369.5 | Collective | |
| 369.52.A-Z | Individual, A-Z | |
| 370 | General works | |
| 370.2 | Popular works | |
| 370.3 | Juvenile works | |
| 370.4 | Handbooks, tables, etc. | |
| 370.5 | General special | |
| 370.6 | Addresses, essays, lectures | |
| 370.7 | Study and teaching | |
| 370.8 | Research | |
| 370.9.A-Z | Special aspects, A-Z
Automation see TP372.8
Color of food
Mathematical models
Transport theory | |
| 370.9.C64 | | |
| 370.9.M38 | | |
| 370.9.T73 | | |
| | Special processes
For biotechnology applied to food processing see TP248.65.F66
For processing of a special food see TP375+ | |
| 371 | General works | |
| 371.15 | Aeration
Preservation techniques
For home preservation see TX599+ | |
| 371.2 | General works
Canning | |
| 371.3 | General works | |
| 371.35 | Sterilization of canned foods | |
| | Chemical preservation | |
| 371.4 | General works
By use of additives | |
| 371.42 | General works | |
| 371.44 | Brining, pickling, fermenting, etc. | |
| 371.46 | Carbon dioxide treatment
Including Dense phase carbon dioxide pasteurization | |
| | Drying. Dehydration | |
| 371.5 | General works | |
| 371.6 | Freeze-drying | |
| 371.65 | Solar drying | |
| 371.66 | Spray drying | |
| 371.7 | Electric fields | |
| 371.75 | High pressure | |

- Food processing and manufacture
 - Special processes
 - Preservation techniques -- Continued
 - 371.8 Irradiation
 - Low temperature
 - 372 General works
 - 372.2 Cold storage
 - 372.3 Freezing
 - 372.4 Ultrasound
 - Chemistry testing. Quality control
 - Cf. TX501+ Nutrition
 - 372.5 General works
 - 372.55.A-Z Special reactions, A-Z
 - 372.55.E59 Enzymatic browning
 - 372.55.M35 Maillard reaction
 - 372.6 Standards
 - 372.7 Production control
 - 372.8 Automation
 - 373 Food processing plants and equipment
 - Cf. TH4526 Building construction
 - 373.2 Transportation
 - 373.3 Storage
 - Including food storage pests
 - Cf. SB937 Farm insect pests
 - 373.5 Safety measures
 - 373.6 Sanitation
 - 373.8 By-products
 - Packaging
 - 374 General works
 - 374.5 Labeling
 - Special foods
 - Sugars and syrups (General). Cane sugar. Sucrose
 - 375 Periodicals. Societies. Congresses
 - (375.3) Yearbooks
 - see TP375
 - 375.4 Dictionaries and encyclopedias
 - 375.5 Directories
 - 375.6 Patents
 - 375.7 History
 - 375.8.A-Z By region or country, A-Z
 - General works
 - 376 Early through 1800
 - 377 1801-
 - 378 Popular works
 - 378.2 Juvenile works
 - 379 Handbooks, tables, etc.
 - 380 General special
 - Including production control, automation
 - 381 Sugar-making machinery
 - 381.5 Special methods
 - 382 Analysis, testing. Saccharimetry
 - Special kinds of sugars and syrups
 - Beet
 - For periodicals see TP375
 - 390 General works
 - 391 General special

Food processing and manufacture

Special foods

Sugars and syrups (General). Cane sugar. Sucrose

Special kinds of sugars and syrups -- Continued

Cane see TP375+

395

Maple

405

Sorghum and corn

413

Molasses

414

Other special kinds of sugar

Including glucose, lactose, dextrose, date, Jerusalem artichoke, trehalose

Sugar products

414.3

General works

414.4

Caramel

Confectionery see TX780.2+

414.5

Sugar byproducts

For bagasse see TP996.B3

Starches. Cornstarch

415

General works

416.A-Z

Special starches and starch products, A-Z

416.D4

Dextrin

416.S3

Sago

416.T3

Tapioca. Cassava

Fats and oils see TP669+

Flavoring aids

418

General works

Essential oils see TP958+

419

Extracts

420

Spices, condiments

For soy sauce see TP438.S6

Sweeteners

421

General works

Nonnutritive

422

General works

423

Cyclamates

424

Saccharin

425

Stevioside

426

Natural

For honey see SF539

For sugar see TP375+

428

Verjuice

Vinegar

429

General works

429.2

Balsamic vinegar

429.5

Rice vinegar

Leavening agents and baking aids

431

General works

432

Baking powder. Cream of tartar

433

Yeast. Compressed yeast

Cereals and cereal products

434

General works

Milling see TS2120+

435.A-Z

Special, A-Z

435.C4

Cereals, Prepared

435.C67

Corn products

Feeds see TS2284+

Flour see TS2120+

Food processing and manufacture

Special foods

Cereals and cereal products

Special, A-Z -- Continued

435.M3 Macaroni, spaghetti, etc. Pasta

435.O37 Oat products

Including oat bran

435.R3 Rice products

435.R83 Rye products

435.S65 Sorghum products

435.W48 Wheat products

Bakery goods see TX761+

Confectionery see TX780.2+

Seeds and seed products

Cf. TS2120+ Flours and other milled products

437 General works

438.A-Z Special, A-Z

438.P4 Peanuts. Peanut butter

438.S6 Soybeans

Including tofu, miso, natto and soy sauce

Nuts and nut products

439 General works

439.5.A-Z Special nuts and products, A-Z

439.5.C45 Chestnuts

439.5.C6 Coconuts

439.5.H39 Hazelnuts

Peanuts see TP438.P4

439.5.P42 Pecans

Fruit and fruit products

440 General works

441.A-Z Special fruits and products, A-Z

441.A6 Apples

441.B34 Bananas

441.B4 Berries

441.C45 Cherries

441.C5 Citrus products

441.J3 Jam. Jelly (General)

441.M36 Mangos

441.O4 Olives

441.P4 Peaches

441.P54 Pineapple

441.P55 Plums

441.P7 Prunes

Vegetables and vegetable products

443 General works

444.A-Z Special vegetables and products, A-Z

444.A8 Asparagus

444.B38 Beans, Dried

444.B4 Beets

444.C3 Cabbage

444.C67 Corn

444.C8 Cucumbers

444.G37 Garlic

444.K65 Konnyaku

444.M8 Mushrooms

444.O5 Onions

Food processing and manufacture

Special foods

Vegetables and vegetable products

Special vegetables and products, A-Z -- Continued

444.P4 Peas
444.P6 Potatoes
444.S27 Sauerkraut
444.S65 Spinach
444.S94 Sweet potatoes
444.T6 Tomatoes

Algae and algae products

445 General works
445.5.A-Z Special algae and products, A-Z
445.5.A35 Agar
445.5.A45 Algin
445.5.C35 Carrageenan

Animal foods

Butchers' meats see TS1950+
Dairy foods see SF250.5+
Eggs see SF490+
Poultry see TS1968
Seafood see SH334.9+

Food substitutes

446 General works
447.A-Z Special, A-Z
447.F37 Fat substitutes
Margarine see TP684.M3
447.M4 Meat substitutes
Sugar substitutes see TP422+

Special food forms and foods for special purposes

450 General works
451.A-Z Special, A-Z
451.B38 Batters
Beverages see TP500+
Cereals, Prepared see TP435.C4
451.C6 Convenience foods
451.D53 Dietetic food
451.E3 Edible coatings
Gelatin see TP965
451.L67 Low-fat foods
451.S57 Snack foods
451.S67 Soups

Special food constituents, A-Z

453.A-Z Colloids
453.C65 Lecithin
453.L43 Lipids
453.L56 Phenols
453.P45 Polysaccharides
453.P64 Proteins
453.P7 Vitamins
453.V5

Food additives

Cf. TP371.42+ Chemical preservation by use of additives
Cf. TX553.A3 Nutrition

455 General works
456.A-Z Special additives, A-Z
456.A2 Acids

- Food processing and manufacture
 - Special foods
 - Food additives
 - Special additives, A-Z -- Continued
 - 456.B32 Bacterial starter cultures
 - 456.C65 Colorants
 - 456.E58 Enzymes
 - 456.H93 Hydrocolloids
 - Cf. TP979.5.H93 Gums and resins
 - 456.K64 Koji
 - Low temperature engineering. Cryogenic engineering
 - Cf. TP243 Compressed and liquefied gases
 - Cf. TP363 Heating, drying, cooling, evaporating, etc.
 - 480 Periodicals, societies, congresses, etc.
 - 482 General works
 - Refrigeration and icemaking
 - 490 Periodicals, societies, congresses, etc.
 - 490.4 Dictionaries and encyclopedias
 - 490.5 Directories
 - General works
 - 491 Early to 1850
 - 492 1850-
 - 492.2 Juvenile literature
 - 492.3 Study and teaching
 - 492.5 Theory. Thermodynamics
 - 492.6 Domestic refrigeration
 - Cf. TP496+ Refrigerators
 - 492.7 Miscellaneous special topics
 - Cf. TP495+ Machinery
 - Refrigerants
 - 492.8 General works
 - 492.82.A-Z Special refrigerants, A-Z
 - 492.82.D78 Dry ice
 - 492.82.H93 Hydrocarbons
 - 492.9 Thermoelectric cooling
 - Cf. QC621+ Thermoelectricity. Thomson effect. Peltier effect
 - Cold storage of food see TP372.2
 - Freezing of food (Food processing industry) see TP372.3
 - Freezing of food (Home methods) see TX610
 - History
 - 494.A1 General works
 - 494.A5-Z Special countries, A-Z
 - Machinery
 - Including catalogs
 - For refrigerators see TP496-497
 - 495 General works
 - 495.3.A-Z Special parts and equipment, A-Z
 - 495.3.T47 Thermostatic expansion valves
 - Refrigerators
 - 496 General works
 - Electric, gas, etc.
 - 497.A1 Periodicals, societies, etc.
 - 497.A2-Z General works
 - Ice cutting and storage
 - 498 Cf. NA6360 Commercial icehouses
 - Cf. NA8350 Private icehouses

- Fermentation industries. Beverages. Alcohol
 Cf. HD9350+ Economics
 Cf. TP371.44 Preserving food by fermentation
 Cf. TX726+ Cooking using alcoholic or fermented beverages
 500 Periodicals, societies, etc.
 500.5 Directories
 501 Congresses
 Exhibitions
 502.A1 General works
 502.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
 503 Dictionaries and encyclopedias
 General works
 504 Early to 1800
 505 1800-
 506 General special
 507 Popular works
 510 Handbooks, tables, etc.
 511 Analysis. Testing
 515 Use of the microscope
 Cf. QR151+ Microorganisms of fermentation
 517 Apparatus, instruments, tools, etc.
 Cf. TP659.A1+ Bottling supplies, containers, etc.
 History
 Cf. TP544+ Wines
 Cf. TP573.A1+ Brewing
 520 General works
 521 Ancient
 522 Medieval
 523 Modern
 America
 526 General works
 United States
 527 General works
 528 Special states, A-W
 529 Canada
 530 West Indies
 531 Mexico and Central America
 532 South America
 533.A-Z Europe, A-Z
 534.A-Z Asia, A-Z
 535.A-Z Africa, A-Z
 536 Australia
 536.5 New Zealand
 537 Pacific islands
 Study and teaching
 540 General works
 543 Special schools
 Cf. TP574 Brewing and malting schools
 Wine and winemaking
 Cf. BM523.5.W5 Judaism
 544 Periodicals, societies, congresses, etc.
 546 Dictionaries and encyclopedias
 546.5 Directories
 Biography
 547.A1 Collective

- Fermentation industries. Beverages. Alcohol
- Wine and winemaking
- Biography -- Continued
- 547.A5-Z Individual, A-Z
- General works
- 547.5 Early to 1800
- 548 1800-
- 548.2 Amateurs' manuals
- 548.5.A-Z Special topics, A-Z
- 548.5.A38 Adulteration
- Including chaptalization
- 548.5.A5 Analysis, testing, etc.
- 548.5.A6 Apparatus and supplies
- 548.5.A93 Auctions
- 548.5.B9 By-products
- 548.5.C53 Clarification
- 548.5.C64 Color
- 548.5.F55 Flavor and odor
- 548.5.L32 Labels
- Microbiology see QR151+
- Odor see TP548.5.F55
- 548.5.P7 Preservatives
- 548.5.S35 Sanitation
- 548.5.S7 Sterilization
- 548.5.T68 Tourism
- 548.6.A-Z Special types, A-Z
- For special types of wines by locality see TP553+
- 548.6.O74 Organic wines
- 548.6.P56 Pinot noir wines
- Rice wines see TP579
- 548.6.R67 Rosé wines
- 548.6.S65 Sparkling wines
- 549 History
- Special countries
- France
- 553 General works
- 555 Champagne
- United States
- 557 General works
- 557.5.A-W States, A-W
- 559.A-Z Other regions and countries, A-Z
- 560 Unfermented grape juice. Must
- 561 Fruit wines. Flower wines
- Fruit juices
- Cf. TP636 Syrups
- Cf. TP656+ Noncarbonated fruit beverages
- 562.A1 Periodicals. Societies. Serials
- 562.A2 Congresses
- 562.A3-Z General works
- 562.5.A-Z Special fruit juices, A-Z
- 562.5.O73 Orange juice
- Cider
- 563 General works
- 564 Unfermented apple juice
- 564.5 Perry

- Fermentation industries. Beverages. Alcohol -- Continued
- 565 Fermented milk
Including kefir and kumiss
- Brewing and malting
Cf. TH4531 Brewery design and construction
- 568 Dictionaries and encyclopedias
- General works
- 569 Early to 1800
- 570 1800-
- 572 Directories
- History
- 573.A1 General works
- 573.A3-Z Special countries, A-Z
- Biography
- 573.5.A1 Collective
- 573.5.A2-Z Individual, A-Z
- 574 Schools
- Special types
For special types of brewed or malted beverages by locality see TP573.A3+
- 577 Beer
- 578 Ale
Including porter, stout, etc.
- 579 Rice beer. Rice wines
Including saké and makkölli
- Yeast in brewing
- 580 General works
- 581 Pure-culture yeast
- 583 Water in brewing
- 585 Hops in brewing
- 587 Malting and malt
- 588.A-Z Other fermented beverages, A-Z
- 588.G8 Guarapo
- 588.K86 Kvass
- 588.M4 Mead
- 588.P8 Pulque
- Distilling
- General works
- 589 Early to 1800
- 590 1800-
- History
- 590.5 General works
- 590.6.A-Z Special regions or countries, A-Z
- Biography
- 591.A1 Collective
- 591.A2-Z Individual, A-Z
- 592 General special
Including fermentation of molasses
- 593 Alcohol (Ethanol)
Including denatured alcohol
Cf. HD9399 Economics
- 594 Wood alcohol (Methanol)
- Distilled liquors
Cf. HD9390+ Economics
- 597 General works
- 599 Brandy
- 605 Whiskey

Fermentation industries. Beverages. Alcohol

Distilling

Distilled liquors -- Continued

607.A-Z
 607.A27
 607.A57
 607.A6
 607.G4
 607.K3
 607.K57
 607.M46
 607.R9
 607.S5
 607.S65
 607.T46
 607.V6
 609

Others, A-Z

Absinthe

Apple brandy

Aquavit

Gin

Kaoliang

Kirsch

Mescal

Rum

Shochu

Soju

Tequila

Vodka

Gaging and testing

Including tables

Cf. HF5716.L3+ Gaging of liquids in general

611
 612
 617
 (618)

Liqueurs. Cordials

Compounding. Liquor-makers' receipts

Catalogs of liquors

Adulteration of liquors

see TX597

Nonalcoholic beverages

620
 625

General works

Artificial mineral waters

Carbonated beverages. Soda water

628
 629
 630
 635

Periodicals, societies, etc.

Directories

General works

Apparatus. Soda fountains

Including catalogs

636

Syrups

Chocolate, coffee, tea, etc.

Cf. TX583+ Adulterations

638
 640
 645

General works

Cacao. Chocolate. Cocoa

Coffee

Cf. TD888.C6 Air pollution by coffee processing plants

650

Tea

655.A-Z

Others, A-Z

Noncarbonated fruit beverages

Cf. TP562+ Fruit juices

656

General works

657.A-Z

Special noncarbonated fruit beverages, A-Z

657.L46

Lemonade

658

Congelation of beverages

Bottling. Bottler's machinery and supplies

Including labeling

659.A1

Periodicals, societies, etc.

659.A2-Z

General works

660

Beverage containers

Oils, fats, and waxes

Cf. TJ1077+ Lubricants

Cf. TP447.F37 Fat substitutes (Food processing and manufacture)

- Oils, fats, and waxes -- Continued
- 669 Periodicals, societies, etc.
- 669.5 Congresses
- 670 General works
- 671 Analysis, testing, etc.
- 673 Bleaching of oils, fats, waxes, etc.
- 675 Sulfonated oils
- 676 Animal fats, oils, etc.
Cf. TS1980+ Lard, tallow, fish oils, etc.
- Insect waxes
- 677 General works
- 678 Beeswax
- 679.A-Z Other waxes, A-Z
- 679.S8 Sugarcane wax
- Vegetable oils and fats
- Cf. TP958+ Essential oils
- 680 General works
- Cottonseed oil
- 681.A1 Periodicals, societies, etc.
- 681.A2-Z General works
- 681.5 Tables, etc.
- 682 Linseed oil
- 683 Olive oil
- 684.A-Z Other special oils and fats, A-Z
- 684.B3 Bati oil
- 684.C2 Cacao butter. Cocoa butter
- 684.C275 Cashew oil
- 684.C3 Castor oil
- Chinese wood oil see TP684.T8
- 684.C6 Cnidioscolus oil
- 684.C7 Coconut oil
- 684.C8 Corn oil
- 684.H46 Hemp seed oil
- 684.I8 Isano oil
- 684.J64 Jojoba oil
- 684.M3 Margarine
Cf. HD9330.M37+ Margarine industry
- Oleomargarine see TP684.M3
- Orange oil see TP959.O7
- 684.P3 Palm oil
- 684.P4 Peanut oil
- 684.P47 Perilla oil
- 684.P85 Pumpkinseed oil
- 684.R23 Ragweed seed oil
- 684.R3 Rape oil
- 684.R5 Rice oil
- 684.R7 Rosin oil
- 684.R83 Rubber-seed oil
- 684.S2 Sal seed oil
- 684.S53 Shea butter
- 684.S6 Soybean oil
- 684.S8 Sunflower seed oil
- 684.T3 Tall oil
- 684.T8 Tung oil. Chinese wood oil
- 684.V36 Vanaspati
- Mineral oils and waxes

- Oils, fats, and waxes
 - Mineral oils and waxes -- Continued
 - 685 General works
 - 686 Analysis, testing, etc.
 - 687 Reclamation of oil
 - Petroleum refining. Petroleum products
 - Cf. TD888.P4 Air pollution by petroleum refineries
 - Cf. TN860+ Petroleum extraction
 - 690.A1 Periodicals, societies, etc.
 - 690.A2-Z General works
 - Directories of the industry see TN867
 - 690.1 History
 - 690.2.A-Z By region or country, A-Z
 - 690.25 Juvenile works
 - 690.3 Refineries, refinery equipment, automatic control
 - Cf. TH4571 Construction of refineries
 - 690.4 Cracking process
 - 690.45 Other special processes (not A-Z)
 - Including alkylation, hydrogenation, etc.
 - 690.5 Patents
 - 690.6 Safety measures and equipment
 - Cf. TH9445.P4 Fire prevention and extinction in petroleum refineries
 - 690.8 General special
 - Including corrosion
 - 691 Oil inspection, analysis, testing, standards, etc.
 - 692 Tables
 - Special products
 - 692.2 Gasoline
 - 692.3 Chemicals
 - 692.4.A-Z Other products, A-Z
 - 692.4.A8 Asphalts
 - 692.4.B5 Bitumen
 - 692.4.C6 Coke
 - 692.4.H9 Hydrocarbons
 - 692.4.K4 Kerosene
 - 692.4.M3 Mazut
 - 692.4.N3 Naphtha
 - 692.4.O3 Oil gas
 - 692.4.P3 Paraffins
 - 692.4.S9 Sulfur compounds
 - 692.4.T6 Toluene
 - 692.5 Oil and gasoline handling and storage
 - 693 Paraffin
 - 695 Ozokerite, ceresin, etc. Natural paraffin
 - Cf. TN857 Mineral resources, mining, etc.
 - 698 Synthetic petroleum and its products
 - 699 Shale oil and its products
 - Cf. TN858+ Mineral industries
 - Illuminating industries (Nonelectric)
 - Cf. HD4486+ Municipal lighting industries
 - Cf. TH7700+ Domestic illumination
 - Cf. TK4125+ Electric lighting
 - 700 Periodicals, societies, etc.
 - Exhibitions
 - 702.A1 General works

| | |
|------------|--|
| | Illuminating industries (Nonelectric) |
| | Exhibitions. Museums -- Continued |
| 702.A2-Z | By region or country, A-Z |
| | Subarrange each country by Table T4b |
| 703 | Congresses |
| 704 | Dictionaries and encyclopedias |
| 705 | General works |
| 710 | Tables, pocketbooks, etc. |
| 713 | General special |
| 714 | Directories |
| | Lighting fixtures see TH7960+ |
| | History |
| 715 | General works |
| 716 | Ancient |
| 717 | Medieval |
| 718 | Modern |
| 719 | Nineteenth century |
| 720 | Twentieth century |
| | Special countries |
| | Including regulation, inspection, etc. |
| 721 | America |
| 722 | North America |
| | United States |
| 724.A-.W | States, A-W |
| 725.A-Z | Cities, A-Z |
| | Canada |
| 726.A1-.A4 | General works |
| 726.A5-.Y | Special provinces, A-Y |
| 727.A-Z | Cities, A-Z |
| | Mexico |
| 728.A1-.A4 | General works |
| 728.A5-Z | Special states, A-Z |
| | West Indies |
| 729.A1-.A4 | General works |
| 729.A5-Z | Special islands, A-Z |
| | South America |
| 730 | General works |
| 731.A-Z | Special countries, A-Z |
| | Subarrange each country by Table T4a |
| | Europe |
| 732 | General works |
| 733.A-Z | Special countries, A-Z |
| | Subarrange each country by Table T4a |
| | Asia |
| 734 | General works |
| 735.A-Z | Special countries, A-Z |
| | Subarrange each country by Table T4a |
| | Africa |
| 736 | General works |
| 737.A-Z | Special countries, A-Z |
| | Subarrange each country by Table T4a |
| 738 | Australia |
| 738.5 | New Zealand |
| 739 | Pacific islands |
| 741 | Street lighting |
| | Cf. TK4188 Electric lighting |

| TP | CHEMICAL TECHNOLOGY | TP |
|---------|---|----|
| | Illuminating industries (Nonelectric) -- Continued | |
| 743 | Torches | |
| | Candles see TP993 | |
| 746 | Lamps | |
| | Ancient lamps see NK4680 | |
| | Gas industry | |
| | Periodicals, societies, etc. see TP700 | |
| | Congresses see TP703 | |
| | Dictionaries and encyclopedias see TP704 | |
| | Directories see TP714 | |
| | History see TP715+ | |
| | Special countries see TP721+ | |
| 751 | General works | |
| 751.1 | General special | |
| | Including corrosion and its prevention | |
| 751.3 | Business management | |
| 751.5 | Popular works | |
| 751.6 | Juvenile works | |
| 751.7 | Coal, oil, shale, and other resources for gas manufacture | |
| 752 | Gasworks | |
| | For special plants see TP721+ | |
| 753 | Tables, pocketbooks, etc. | |
| 754 | Analysis, tests, recorders, purification, etc. | |
| 755 | By-products | |
| 756 | Gas storage. Gasholders | |
| 756.5 | Underground storage | |
| 757 | Distribution. Mains, pipes, etc. | |
| 758 | Uses of gas | |
| | Cf. TH6800+ Gas in guildings | |
| | Cf. TP345.A1+ Gas as fuel | |
| | Natural gas (Mining engineering) see TN880+ | |
| | Natural gas fuel see TP350 | |
| 759 | Gasification of coal and oil | |
| | Including underground gasification of coal | |
| | Cf. TP336 Coke, carbonization of coal | |
| | Cf. TP751.7 Coal and oil resources for gas manufacture | |
| | Cf. TP762 Gas producers | |
| 760 | Water gas | |
| 761.A-Z | Other special kinds, A-Z | |
| 761.B8 | Butane | |
| 761.C65 | Compressed gas | |
| 761.L5 | Liquid gas | |
| 761.M4 | Methane | |
| 761.M44 | Methylpropene | |
| 761.M7 | Mond gas | |
| 761.P4 | Petroleum gas | |
| 761.P9 | Producer gas | |
| 761.P94 | Propane | |
| | Sludge gas see TD769.4 | |
| 762 | Gas producers for industrial purposes | |
| | Acetylene industry | |
| 765 | Periodicals, societies, etc. | |
| 767 | General works | |
| 769 | Apparatus | |
| 770 | Manufacture from calcium carbide | |

- Clay industries. Ceramics. Glass
 - Cf. HD9590+ Economics
 - Cf. NK3700+ Ceramics (Art industries)
 - Cf. NK5100+ Glass (Art industries)
 - Cf. TA430 Ceramic materials
 - Cf. TA450 Glass in engineering
 - Cf. TN941+ Mineral industries
 - Cf. TT919+ Pottery craft
- 785 Periodicals, societies, etc.
 - For periodicals on glass alone see TP845
- 786 Congresses
- Exhibitions. Museums
- 787.A1 General works
- 787.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 788 Dictionaries and encyclopedias
- 789 Directories
- 790 Collected works (nonserial)
- History
 - 791 General works
 - 792 Ancient
 - 793 Medieval
 - 794 Modern
- Country divisions
- 797 America
 - United States
- 798 General works
- 799.A-W States, A-W
- 800.A-Z Cities, A-Z
- 801 Canada
- 802.A-Z Other American countries, A-Z
- Europe
 - 802.95 General works
 - 803.A-Z By region or country, A-Z
 - 804.A-Z Other countries, A-Z
- Biography
 - 805 General works
 - 806.A-Z Individual, A-Z
- Potters' marks see NK4215
- Ceramic technology. Pottery
 - General works
 - 807.A2 Early to 1800
 - 807.A3-Z 1800-
 - 808 Popular works
 - For pottery craft see TT919+
 - 808.2 Juvenile works
 - 809 Tables, calculations, etc.
 - 809.5 Equipment and supplies
 - For kilns see TP841+
 - 810 Chemistry of pottery
 - 810.5 Materials
 - 811 Clay and clay analysis
 - Cf. TN941+ Mineral industries - Clay
 - 811.5 Ceramography

- Clay industries. Ceramics. Glass
- Ceramic technology. Pottery -- Continued
 - Glazes, enamels, etc.
 - Cf. NK4997+ Enamels (Art)
 - Cf. TP823 Pottery decorating
 - Periodicals, societies, etc.
 - General works
 - Technical processes
 - Including finishing, cutting, machining, etc.
 - General special
 - Including studies of clay, vitrification, dehydration, saggars
 - Study and teaching
 - Pottery machinery
 - Catalogs of pottery, stoneware, porcelain, glass, etc.
 - Earthenware. Stoneware
 - Porcelain
 - Technology of ceramic decoration. Glazes, engobes, colors
- Architectural ceramics
 - General works
 - Bricks and brickmaking
 - Cf. TA432+ Properties of bricks
 - Special countries
 - United States
 - Other countries, A-Z
 - General works
 - Early to 1800
 - 1800-
 - Juvenile works
 - General special
 - Brickmaking machinery, etc.
 - Pressed brick
 - Other varieties. By name, A-Z
 - Adobe brick
 - Clinker brick
 - Cob
 - Firebrick
 - Glazed brick
 - Granite brick
 - Hollow brick
 - Lock-joint brick
 - Sand-lime brick
 - General catalogs
 - Terra-cotta
 - Cf. TA432+ Properties of terra-cotta
 - Tiles
 - Cf. NA3705 Architectural decoration
 - Cf. NK4670+ Art industries
 - Cf. TA432+ Properties of tile
 - Cf. TH8521+ Tile laying and tile decoration
 - Cf. TT927 Tile craft
- Fireclay products and other refractories
 - Cf. TA418.26 Engineering properties of refractories
 - Cf. TA455.F5 Engineering properties of fireclay
 - Cf. TN677+ Metallurgical plants. Metallurgical furnaces and refractory materials
 - Cf. TP832.F5 Firebricks

- Clay industries. Ceramics. Glass
- Architectural ceramics -- Continued
- 839 Draintile. Sewer pipe
 - Including those made of clay, cement, etc.
 - Cf. TA447 Testing
 - Cf. TD682 Sewers
 - Cf. TP885.P5 Cement pipe
- Salt glazes, etc. see TP812.A1+
- Kilns
 - Cf. TT924 Pottery craft
- 841 General works
- 842.A-Z Special, A-Z
- 842.H7 Hoffman's kiln
- 842.T8 Tunnel kilns
- Glass and glassmaking
 - Cf. NK5100+ Art industries
- 845 Periodicals, societies, etc.
 - Cf. TP785 Ceramics and glass
- Exhibitions. Museums
 - General works
 - By region or country, A-Z
 - Subarrange each country by Table T4b
- 847 Directories
- 848 Collected works (nonserial)
- History
 - General works
 - Ancient
 - Medieval
 - Modern
- Special countries
 - United States
 - General works
 - Special states, A-W
 - Other countries, A-Z
- 853.A1-.A3 General works
- 853.A5-.W Special states, A-W
- 854.A-Z Other countries, A-Z
- 855 Study and teaching
 - General works
 - Early to 1800
 - 1800
- 856 Popular works. Juvenile works
- 857.3 Tables, calculations, etc.
- 857.5 General special
 - Including safety measures, patents, etc.
- 858 Analysis see QD139.G5
- 858.2.A-Z Special aspects, A-Z
- 858.2.M37 Mathematical models
- 859 Glassblowing, manipulation, etc.
 - Cf. QD63.G5 Chemical laboratory manipulation
 - Cf. TT298 Glass craft
- 859.5 Machinery, furnaces and other special equipment
- 859.7 Waste glass. Glass recycling
- 860 Plate glass
- 860.5 Glass fibers
 - Cf. TA450 Engineering materials
 - Cf. TS1549.G5 Textile industries
- 861 Cut glass
- 861.5 Colored glass

- Clay industries. Ceramics. Glass
- Glass and glassmaking -- Continued
- 862 Other special varieties of glass
- Ornamental glass used in buildings, etc.
 - Cf. NK5300+ Decorative arts
 - Cf. TH8271+ Decoration of buildings
 - Cf. TT298 Handicrafts
- 863 General works
- 864 Sand-blast process
- Glassware. Articles made of glass
 - For early American pressed glass see NK5112
- 865 General works
- 866 Bottles
 - Cf. TP659.A1+ Bottling
- 867 Mirrors and mirror-frames
- Optical glass see QC375
- 867.3 Glass-ceramic pipe
- 868 General catalogs and trade publications
- 869 Soluble glass. Water glass
- 870 Artificial minerals
- 871 Artificial stone
 - Cf. TP832.G7 Granite brick
 - Cf. TP832.S2 Sand-lime brick
 - Cf. TP875+ Cement industries
- Artificial gems
- 873 General works
- 873.5.A-Z Special, A-Z
- 873.5.D5 Diamonds
- Cement industries. Cement, lime, mortar, plaster, etc.
 - Including industrial processes only
 - For engineering properties and on-site preparation see TA434+
- 875 Periodicals, societies, etc.
- Directories
- 876.A2 General works
- 876.A4-Z By region or country, A-Z
- 877 General works
- Special countries
- United States
- 879.A1 General works
- 879.A2-.W States, A-W
- 880.A-Z Other countries, A-Z
- Cement manufacture
 - Including concrete when used for the factory-made products provided for in TP885
- 881 General works
- 882 Plants and equipment
- 882.3 Analysis of cement
- 883 Portland cement
- 884.A-Z Other special, A-Z
- 884.A3 Additives
- 884.A48 Alumina cement
- 884.A8 Asbestos cement
- 884.A85 Asphalt concrete
- 884.C5 Clinker concrete
- 884.L5 Lightweight concrete
- 884.M2 Magnesia cements
- 884.R7 Roman cement

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| | Cement industries. Cement, lime, mortar, plaster, etc. |
| | Cement manufacture |
| | Other special, A-Z -- Continued |
| 884.S3 | Sand-lime products |
| 884.S6 | Slag cement |
| 884.S84 | Sulfoaluminate cement |
| 884.S85 | Sulfur cement |
| | Articles of cement or concrete |
| | Class here factory made products only |
| | Cf. TT295 Handicrafts |
| 885.A2 | General works |
| 885.A5-Z | Special. By name, A-Z |
| 885.C7 | Concrete blocks and slabs |
| | Cf. TH1491 Concrete block building construction |
| 885.F7 | Fountains |
| 885.G3 | Garden furniture |
| 885.L3 | Lampposts |
| 885.M7 | Monuments |
| 885.P5 | Pipe and tile |
| | Cf. TA447 Pipes of cement and clay |
| | Cf. TP839 Draintile and sewer pipe |
| | Sidewalks, curbs see TE291 |
| 885.T7 | Trusses |
| 886 | Lime and limekilns |
| | Cf. TP841+ Kilns |
| 887 | Mortar |
| 888 | Plaster and other gypsum products |
| | Cf. TH8135+ Building trades |
| 889 | Magnesia industries |
| | Textile bleaching, dyeing, printing, etc. |
| | Cf. TS1474.5 Textile chemistry |
| | Cf. TT852+ Textile crafts |
| 890 | Periodicals, societies, etc. |
| 890.5 | Congresses |
| 891 | Directories |
| 892 | Theory |
| | Including color combinations, etc. |
| 893 | General works |
| | Bleaching, cleaning, scouring |
| 894 | General works |
| 894.5 | Bleaches |
| 895 | Cleaning |
| | Cf. TP932+ Commercial garment cleaning |
| | Cf. TP990+ Cleaning compounds |
| | Dyeing |
| | Cf. NK9500+ Textile decoration |
| 897 | General works |
| | Dyeing of cotton see TP930+ |
| 899 | Dyeing of wool |
| 901 | Dyeing of silk |
| 902 | Dyeing of artificial silk |
| 903 | Dyeing of linen |
| 904 | Dyeing of synthetic textile fibers |
| | Dyeing of fur see TS1060+ |
| | Dyeing of leather see TS967 |
| | Dyeing of paper see TS1118.D9 |

| TP | CHEMICAL TECHNOLOGY | TP |
|----------|--|----|
| | Textile bleaching, dyeing, printing, etc. | |
| | Dyeing -- Continued | |
| 907 | Special colors. Effects, shades, not dyes | |
| | Including khaki, etc. | |
| 908 | Dyeing of special articles | |
| | Garment dyeing, Commercial see TP932+ | |
| | Garment dyeing, Home see TT853+ | |
| | Dyes | |
| | Periodicals, societies, etc. see TP890 | |
| 910 | General works | |
| | Artificial dyes | |
| 913 | General works | |
| 914 | Coal-tar colors. Aniline dyes. Azo dyes | |
| 915 | Anthracene dyes | |
| 918.A-Z | Other special dyes, A-Z | |
| 918.A4 | Alizarin | |
| | Alizarin black see TP918.N2 | |
| 918.A5 | Aniline black | |
| 918.A6 | Anthraquinones | |
| | Artificial indigo see TP924 | |
| (918.A9) | Azo dyes | |
| | see TP914 | |
| 918.C37 | Carbazoles | |
| 918.C9 | Cyanines | |
| 918.I5 | Induline | |
| 918.N2 | Naphthazarin. Alizarin black | |
| 918.P65 | Polymethines | |
| 918.S8 | Sulfur dyes | |
| 918.V37 | Vat dyes | |
| | Natural dyes | |
| 919 | General works | |
| | Indigo | |
| 923 | General works | |
| 924 | Artificial indigo | |
| 925.A-Z | Other special dyes, A-Z | |
| 925.C38 | Catechu | |
| 925.C63 | Cochineal | |
| 925.K35 | Kamala | |
| 925.M33 | Madder | |
| 925.P9 | Purple | |
| 925.S23 | Safflower | |
| 925.W8 | Woad | |
| 927 | Mordants | |
| 929 | Miscellaneous | |
| | Textile printing. Calico printing. Cotton dyeing | |
| | Cf. NK9500+ Textile decoration | |
| | Cf. TS1475 Textile design | |
| 930 | General works | |
| 930.5 | Machinery | |
| 931.A-Z | Special, other than cotton or calico, A-Z | |
| 931.C2 | Carpet yarns | |
| 931.S6 | Silk fabrics | |
| | Commercial garment cleaning and dyeing | |
| | Cf. TT853+ Textile crafts | |
| | Cf. TT980+ Laundry | |
| 932 | General works | |

- Textile bleaching, dyeing, printing, etc.
Commercial garment cleaning and dyeing -- Continued
- 932.3 Dry cleaning
932.5 Wet cleaning
932.6 Spotting
933 Feather renovating, etc.
- Paints, pigments, varnishes, etc.
Class here manufacture only
Cf. ND1500+ Fine arts
Cf. TT300+ Industrial painting
- 934 Periodicals, societies, congresses, etc.
934.3 Dictionaries and encyclopedias
934.5 Directories
- General works
Documents
United States
935.A2U4-.A2U5 Serial
935.A2U6 Special. By date
935.A3A-.A3W By state, A-W
935.A4A-.A4Z Other countries, A-Z
935.A5-Z Nonofficial works
- Paints and pigments. Zinc oxide. Iron oxide
Cf. TP682 Linseed oil
Cf. TP951 Blacks (Pigments)
Cf. TP977+ Turpentine, etc.
- 936 General works
936.5 Paint analysis, testing, etc.
937 Catalogs
937.5 Paint machinery
Including machines used for grinding, mixing, etc.
- 937.7 Driers, thinners, fillers, etc.
937.8 Paint removers
938 Varnishes. Shellac
939 Lacquers and enamels
940 Polishes
941 Putty
942 Japanning materials
944 Blacking materials
945 High solids coatings
- Ink manufacture
Cf. Z45 History of writing materials
Cf. Z112 Paleography
- 946 General works
947 History
948.A-Z Particular inks. By name, A-Z
948.A8 Arnold's fluid
Printers' ink
Cf. Z247 Printing
- 949 General works
949.9 Catalogs of dealers
949.95 Other special inks
Including inks for recording instruments
- Miscellaneous organic chemical industries
- 950 General works
951 Blacks
Cf. TP245.C4 Carbon

- Miscellaneous organic chemical industries -- Continued
- 953 Coal products, coal tar, etc.
Cf. TP914 Dyes
- 955 Dentifrices
Essences, essential oils and ethers
Cf. RS201.E7 Pharmacy
Cf. TP680+ Vegetable oils
- 958 General works
- 959.A-Z Special substances, A-Z
Attar of roses see TP959.R6
- 959.B4 Bergamot oil
- 959.C5 Citronella oil
- 959.C54 Citrus oils
- 959.E9 Eucalyptus oils
- 959.L4 Lemongrass oil
- 959.M8 Mustard oil
- 959.O7 Orange oil
- 959.P4 Peppermint oil
- 959.P5 Pine oil
- 959.R6 Rose oil. Attar of roses
- 959.S2 Sassafras oil
- Fertilizers
Cf. S631+ Use of fertilizers
Cf. TD772 Manufacture of fertilizer from sewage sludge
- 963 General works
- 963.4.A-Z Special fertilizers, A-Z
- 963.4.A38 Ammonium phosphate
- 963.4.A4 Ammonium sulfate
- 963.4.C3 Calcium cyanamide
- 963.4.N5 Nitrogen
- 963.4.S9 Superphosphates
- 963.4.U7 Urea
- 965 Gelatin
- Glue and other adhesives
Cf. TS857 Wood adhesives
- 967 Periodicals, societies, congresses, etc.
- 967.6 Directories
- 968 General works
- 970 Mucilage and pastes
- 971 Pressure-sensitive adhesives
- 973 Glycerin
- Gums and resins. Turpentine, etc.
Cf. TP1101+ Plastics
- 977 Periodicals
- 978 General works
- 979 Resinography
- 979.5.A-Z Special, A-Z
- 979.5.B4 Benzoin
- 979.5.H93 Hydrocolloids
Cf. TP456.H93 Food additives
- 979.5.I6 Ion exchange resin
- 979.5.P6 Polysaccharides
- Perfumes, cosmetics, and other toilet preparations
- 983.A1-.A5 Periodicals, societies, congresses, etc.
- 983.A55 Dictionaries and encyclopedias
- 983.A6 Directories

- Miscellaneous organic chemical industries
Perfumes, cosmetics, and other toilet preparations -- Continued
Biography
983.A65 Collective
983.A66A-.A66Z Individual, A-Z
983.A7-.Z4 General works
983.Z5 Trade publications
983.3 Cosmetic delivery systems
984 Hair preparations
Including shampoos, hair conditioners, etc.
985 Antiperspirants, deodorants, etc.
(986-987) Plastics
see TP1101+
988 Sealing. Sealing compounds
Soap, cleaning compounds, etc.
Cf. TP895 Cleaning
990 General works
991 Soaps
992 Metallic soaps
992.5 Other cleaning compounds
993 Candles
Cf. TP669+ Oils, fats, and waxes
Cf. TS1980+ Lard, tallow, etc.
Cf. TT896.5 Handicraft
994 Surface active agents
Utilization of wastes
Prefer field of application
Cf. TS169 Waste control
995.A1 Periodicals, societies, etc.
995.A2-Z General works
996.A-Z Special, A-Z
996.B3 Bagasse
996.C6 Corncobs
996.C7 Cornstalks
996.C75 Cotton
996.F5 Fish
996.T5 Tin
996.W6 Wood
Cf. TS875 Fiberboard, particle board, etc.
997 Wood distillation
Cf. TS920+ Chemical processing of wood
Polymers and polymer manufacture
Cf. QD281.P6 Polymerization (Chemistry)
Cf. QD380+ Polymer chemistry
Cf. TA455.P58+ Engineering materials
Cf. TP156.P6 Polymerization (Chemical engineering)
Cf. TP248.65.P62 Polymers (Biotechnology)
1080 Periodicals, societies, etc.
1081 Congresses
1087 General works
1088 Popular works
1089 Juvenile works
1091 Handbooks, tables, etc.
1092 General special
Technical processes see TP1150+
Special polymers see TP1180.A+

Polymers and polymer manufacture -- Continued

Special forms see TP1183.A+

Special products see TP1185.A+

Elastomers, synthetic rubber see TS1925

Synthetic fibers see TS1548.2+

Plastics

Cf. HD9661+ Economics

Cf. TA455.P5+ Engineering materials

Cf. TA668 Structural engineering

Cf. TJ1194 Materials used in machine and hand tools

Cf. TT297+ Plastic craft

1101 Periodicals, societies, etc.

(1103) Yearbooks

see TP1101

1105 Congresses

Exhibitions. Museums

1107.A1 General works

1107.A2-Z By region or country, A-Z

Subarrange each country by Table T4b

1109 Collected works (nonserial)

1110 Dictionaries and encyclopedias

1111 Plastics literature

1112 Directories

1114 Patents

History

1116 General works

Special countries

1117 United States

1118.A-Z Other countries, A-Z

Biography

1119.A1 Collective

1119.A2-Z Individual, A-Z

1120 General works

1122 General special

1124 Popular works

1125 Juvenile works

Study and teaching

1127 General works

1129 Laboratory manuals

1130 Handbooks, manuals, tables, etc.

1132 Catalogs

1135 Plastics plants and equipment

1140 Technical chemistry of plastics (Analysis)

For testing for mechanical properties see TA455.P5+

For use of plastics in fireproof construction see TH1074

1142 Additives

For plasticizers see TP247.7

1145 Handling, packing, etc.

1148 Safety measures

Technical processes

For general works see TP1120

Molding and casting

1150 General works

1151.A-Z Special molding and casting processes, A-Z

1151.I55 Injection blow molding

1151.L37 Laser sintering

Polymers and polymer manufacture

Plastics

Technical processes

Molding and casting

Special molding and casting processes, A-Z -- Continued

1151.R43 Reaction injection molding

1151.T48 Thermoforming

1155 Machining and cutting

1160 Welding

1165 Joining and bonding

1170 Finishing and decorating

1175.A-Z Other processes, A-Z

1175.C3 Calendering

1175.E9 Extrusion

1175.M4 Metal coating

Class here works on metal coatings on plastics

1175.M5 Mixing

1175.P84 Pultrusion

1175.R43 Recycling

1175.S6 Spraying with plastics

For powder coating of metals see TS699

Reinforced plastics

General works

Special reinforcement materials, A-Z

1177.5.A-Z Asbestos

1177.5.A8 Fibers

1177.5.F5 Glass

1177.5.G5

Special plastics, A-Z

1180.A-Z ABS resins

1180.A15 Acetal resins

1180.A33 Acrylic resins

1180.A35 Aminoplastics

1180.A5 Antimicrobial polymers

1180.A58 Bakelite

1180.B3 Biodegradable plastics

1180.B55 Casein

1180.C2 Cellophane

1180.C4 Celluloid

1180.C5 Cellulose

1180.C6 Dendrimers

1180.D45 Diallyl phthalate

1180.D5 Epoxy resins

1180.E6 Fiberloid

1180.F5 Fluorocarbons

1180.F6 Furans

1180.F8 Gum plastics

1180.G8 Indene resins

1180.I5 Lucite

1180.L8 Nylon see TP1180.P55

1180.P39 Phenolic resins

1180.P4 Phenolite

1180.P5 Plexiglas

1180.P53 Polyacetylenes

1180.P54 Polyacrylamides

1180.P55 Polyamides. Nylon

1180.P552 Polyanilines

Polymers and polymer manufacture

Plastics

Special plastics, A-Z -- Continued

| | |
|-----------|---|
| 1180.P553 | Polyaryethers |
| 1180.P555 | Polybishchloromethyloxetane |
| 1180.P56 | Polybutenes |
| 1180.P57 | Polycarbonates |
| 1180.P6 | Polyesters |
| 1180.P65 | Polyethylene |
| 1180.P653 | Polyethylene glycol |
| 1180.P655 | Polyethylenimine |
| 1180.P66 | Polyimides |
| 1180.P663 | Polyketones |
| 1180.P666 | Polymer liquid crystals |
| 1180.P67 | Polyolefins |
| 1180.P678 | Polyphenylene oxide |
| 1180.P68 | Polypropylene |
| | Polystyrene see TP1180.S7 |
| 1180.P685 | Polysulphides |
| 1180.P7 | Polytetrafluorethylene |
| 1180.P8 | Polyurethanes |
| | Polyvinyl see TP1180.V48 |
| 1180.S7 | Styrene. Polystyrene |
| 1180.T4 | Tenite |
| 1180.T5 | Thermoplastics |
| 1180.T55 | Thermosetting plastics |
| 1180.U7 | Urea-formaldehyde resins |
| 1180.V42 | Vinidur |
| 1180.V48 | Vinyl. Polyvinyl |
| 1180.W37 | Water-soluble polymers |
| 1183.A-Z | Special forms, A-Z |
| 1183.B3 | Bars |
| 1183.F5 | Films |
| 1183.F6 | Foamed plastics |
| 1183.L3 | Laminated plastics |
| 1183.M5 | Microcrystalline polymers |
| 1183.P68 | Powders |
| | Reinforced plastics see TP1177+ |
| 1185.A-Z | Special products, A-Z |
| (1185.C6) | Containers |
| | see TS198.3.P5 |
| (1185.E4) | Electric apparatus and appliances |
| | see TK454.4.P55 |
| (1185.E5) | Electric insulators |
| | see TK3441.P55 |
| 1185.E9 | Eye protectors |
| 1185.F8 | Furniture |
| 1185.H4 | Helmets |
| | Lenses for optical instruments see TS517.5.P5 |
| 1185.M3 | Machine parts |
| 1185.P5 | Pipe |
| | Cf. TA448 Testing of plastic pipe |
| | Cf. TH6330 Plastic pipes in plumbing |
| 1185.R46 | Resins |
| 1185.S65 | Sporting surfaces |
| 1185.T3 | Tanks |

| | | |
|---------|------------------------------------|----|
| TP | CHEMICAL TECHNOLOGY | TP |
| | Polymers and polymer manufacture | |
| | Plastics | |
| | Special products, A-Z -- Continued | |
| 1185.T5 | Tiles | |

- Photography
 - Cf. BP190.5.A7 Islam and photography
 - 1 Periodicals. Societies. Almanacs
 - 5 Congresses
 - Exhibitions. Museums
 - Cf. TR646.A+ Exhibitions of artistic photography
 - 6.A1 General works
 - 6.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
 - 6.5 Collectors' manuals. Collections of old photographs and photographic equipment
 - 7 Collected works (nonserial)
 - 9 Dictionaries. Encyclopedias
 - Communication of photography information
 - 10 General works
 - 11 Computer network resources
 - Including the Internet
 - 12 Directories. Bluebooks
 - 15 History (General)
 - 21-127 Country divisions (Table T1a)
 - Add country number in table to TR0
 - Biography
 - Prefer TR650+ for collections of artistic photographs by one photographer where biographic material is slight
 - 139 Collective
 - 140.A-Z Individual, A-Z
 - General works
 - 144 Early to 1850
 - 145 1850-
 - 146 Elementary works. Handbooks, manuals, etc.
 - 147 General special
 - Including manipulation, causes of failures, etc.
 - 148 Photographic amusements. Trick photography. Special effects
 - 149 Popular works. Juvenile works
 - 150 Photographers' reference handbooks
 - 151 Tables, formulas, etc.
 - 154 Photography as a profession
 - 161 Study and teaching
 - 162 Examinations, questions, etc.
 - 179 Composition
 - 183 Psychology, aesthetics, etc.
 - Cf. TR640+ Artistic photography
 - 184 Political aspects
 - 185 Addresses, essays, lectures
 - 187 Photographic criticism
 - (193-195) Law. Legislation
 - see class K
 - Materials, supplies, etc.
 - 196 General works
 - Including testing
 - 196.5.A-Z Special companies, A-Z
 - 197 Catalogs of apparatus
 - 198 Catalogs of materials and supplies
 - 199 Catalogs of photographs (General)
 - For catalogs of photographs on specific subjects, see the subject
 - For catalogs of photographs treated as an information resource see ZA4650+
 - Cf. TR640+ Artistic photography

| TR | PHOTOGRAPHY | TR |
|---------|---|----|
| | Theory of photographic processes in general | |
| 200 | General works | |
| | Photographic chemistry and chemicals | |
| 210 | General works | |
| 212 | Photographic chemicals | |
| | Photographic physics | |
| 215 | General works | |
| 220 | Photographic optics | |
| 222 | Properties of the photographic image. Image science | |
| 225 | Recovery of photographic waste | |
| | Cameras | |
| 250 | General works | |
| | Prefer TR263 for special makes of cameras | |
| | Motion picture cameras see TR880 | |
| 256 | Digital cameras | |
| 257 | Medium format cameras | |
| 257.5 | Streak cameras | |
| 258 | View cameras | |
| 259 | Stereoscopic cameras | |
| 260 | Hand cameras | |
| 260.5 | Automatic cameras. Electric eye cameras | |
| 260.7 | Autofocus cameras | |
| 261 | Reflex cameras | |
| 262 | Miniature cameras | |
| 262.5 | Mirrorless interchangeable-lens cameras | |
| 263.A-Z | Special makes of film and digital cameras, A-Z | |
| 263.A35 | Agfa | |
| 263.A7 | Argus | |
| 263.C3 | Canon | |
| 263.C5 | Ciro-flex | |
| 263.C6 | Contax | |
| 263.E75 | Ernemann | |
| 263.E9 | Exakta | |
| 263.F85 | Fujifilm | |
| 263.H3 | Hasselblad | |
| 263.K54 | Kodak | |
| 263.K55 | Konica | |
| 263.L4 | Leica | |
| 263.L66 | Lomo | |
| 263.M47 | Minolta | |
| 263.M5 | Minox | |
| 263.N5 | Nikon | |
| 263.O4 | Olympus | |
| 263.P4 | Pentax | |
| 263.P6 | Polaroid Land | |
| 263.R4 | Retina | |
| 263.R6 | Rollei | |
| 263.S66 | Sony | |
| 263.Y3 | Yashica | |
| 263.Z4 | Zeiss | |
| 265 | Camera accessories | |
| | Catalogs see TR197 | |
| | Digital photography | |
| | Cf. TA1637+ Image processing | |
| | Cf. TR502 Photo CDs | |
| 267 | General works | |

- Digital photography -- Continued
- 267.3 Computational photography
- 267.5.A-Z Special systems, standards, software, A-Z
 - Including individual programs, e. g. Photoshop
- 267.5.A25 Adobe Camera Raw
- 267.5.A3 Adobe Photoshop
- 267.5.A33 Adobe Photoshop elements
- 267.5.A355 Adobe Photoshop lightroom
- 267.5.A64 Aperture
- 267.5.A965 Autodesk Smoke
- Corel PaintShop see TR267.5.P35
- 267.5.F55 Flickr
- 267.5.G56 GIMP
- 267.5.I57 Instagram
- 267.5.I64 iPhoto
- JPEG see TA1638
- 267.5.M53 Microsoft Digital image
- MPEG see TK6680.8.M74
- 267.5.N56 Nik Software HDR Efex Pro
- 267.5.P35 PaintShop Pro
- 267.5.P53 Picasa
- 267.5.V84 VueScan
- Spectral imaging
- 267.73 General works
- 267.733.A-Z Special topics, A-Z
- 267.733.M85 Multispectral imaging
- 268 Pinhole photography
- 269 Instant photography
- Lenses
- 270 General works
- 271.A-Z Special, A-Z
- 271.M33 Macro
 - Cf. TR684 Macrophotography
- 271.T44 Telephoto
 - Cf. TR770 Telephotography
- 271.W53 Wide-angle
 - Cf. TR687 Wide-angle photography
- 271.Z65 Zoom
- 272 Shutters
- Sensitive surfaces
 - Including sensitometry
- 280 General works
- 281 Plates
- 283 Films
- 285 Papers
- Photographic processing. Darkroom technique (General)
- 287 General works
- Treatment of negatives
- 290 General works
- 295 Development
- 299 Intensification and reduction
- 305 Fixing and washing
- 310 Finishing, retouching
- 312 Contact prints
- Treatment of positives
- 320 General works

| | |
|-------|--|
| | Photographic processing. Darkroom technique (General) |
| | Treatment of positives -- Continued |
| | Printing |
| 330 | General works |
| 333 | By electric or other artificial light |
| 335 | Fixing. Toning. Intensification |
| 337 | Finishing |
| 340 | Trimming, mounting and framing of prints |
| | Photographic processes |
| 350 | General works |
| | Direct positives |
| 360 | General works |
| 365 | Daguerreotype |
| 370 | Ambrotype |
| 375 | Ferrotypes (Tintype) |
| | Processes with salts of silver |
| 385 | General works |
| 390 | Collodion process |
| 395 | Emulsion processes. Aristotypes, calotypes, etc. |
| 400 | Other processes. Salts of silver and other metals |
| | Including kallitype |
| | Processes with salts of iron |
| 405 | General works |
| 415 | Blueprints from photographic negatives. Cyanotypes |
| | Cf. TR921 Industrial blueprints |
| 420 | Processes with salts of platinum |
| | Processes with salts of metals |
| 430 | General works |
| 433 | Chromium. Ozotype, etc. |
| 440 | Carbon processes. Pigment processes |
| 443 | Oil processes. Bromoil |
| 445 | Gum-bichromate process. Photoaquatint |
| 453 | Photography of colored objects. Orthochromatic, isochromatic, etc. |
| | Cf. TR510+ Color photography |
| 455 | Other processes |
| 465 | Conservation and restoration of photographs |
| 470 | Copying |
| | Cf. TR825 Reproductions (photocopying) |
| | Cf. TR835 Reproductions (microfilming) |
| | Cf. TR900+ Reproductions (industrial) |
| 475 | Enlargement and reduction |
| | Cf. TR905 Industrial reproduction |
| 485 | Coloring of prints. Airbrush work, etc. |
| 487 | Photo-oleographs |
| 495 | Photographs on metal, glass, cloth, leather, etc. |
| 500 | Photoenamels. Photoceramics |
| 501 | Photograph albums |
| 501.5 | Photobooks |
| 502 | Photo CDs |
| | Transparencies. Diapositives |
| 504 | General works |
| 505 | Lantern slides |
| | Projectors |
| | Cf. TR890 Motion picture projectors |
| 506 | General works |
| 507 | Catalogs |

- Transparencies. Diapositives
- Projectors -- Continued
- 508 Overhead projectors
- Color photography
- Cf. TR453 Photography of colored objects
- 510 General works
- 515 Materials, supplies, etc.
- Including testing
- 520 Tricolor
- 525 Interference. Lippmann's process
- General darkroom procedures. Processing of exposed film
- 530 General works
- Treatment of positives
- 540 General works
- 545 Printing
- Studio and laboratory
- 550 General works
- 560 Darkrooms
- 570 Accessories and apparatus
- 573 Studio lighting
- Portrait photography
- Cf. TR680+ Artistic photography
- 575 General works
- 577 Advice to sitters
- Including posing guides
- 581 Business methods
- For selling photographs see HF5439.P43
- Lighting
- Cf. TR573 Studio lighting
- Cf. TR891 Lighting for motion pictures
- Artificial and natural
- 590 General works
- 590.5 Light filters
- Exposures
- 591 General works
- 592 Instantaneous
- Including exposures of one thousandth of a second or longer
- 593 High speed
- Including exposures shorter than one thousandth of a second
- 594 Multiple exposures
- Including exposure bracketing and high dynamic range imaging
- 595 Daylight
- 600 Artificial light
- Flashlight. Flash photography
- 605 General works
- 606 Electronic flash
- 610 Night views
- 615 Open air views
- 620 Interiors
- Applied photography
- Class here techniques for taking and using photographs in special fields
- Collections of photographs in special fields are normally classed with the field, e.g., pictorial works in natural history in QH46 views of modern Greece in DF719 pictorial works on North American Indians in E77.5
- For collections of artistic photographs, however, or collections where the artistic intent is more overriding than the actual subject content see TR640+

- Applied photography -- Continued
 Periodicals, exhibitions, dictionaries, etc.
 see TR1+
- 624 General works
 Artistic photography
- 640 Periodicals, societies, congresses, etc.
 642 General works
 Exhibitions
 Prefer TR650+ for collections of photographs
 Works of more than one photographer
 United States
 General works
 By city, A-Z
 Under each city:
 .x *General works*
 .x2A-.x2Z *By museum, A-Z*
- 644
 645.A-Z
 646.A-Z
 647.A-Z
- Other regions or countries, A-Z
 Subarrange each country by Table T4a
 Works of individual photographers. By name of photographer, A-Z
 Under each photographer, arrange by date of exhibition
 Class here works of individual photographers not limited by topic, e.g., class landscape
 photography by Ansel Adams in TR660 as well as exhibitions of their work
- 650 Collections
 General works
 By period
 651 1800-1850
 652 1851-1900
 653 1901-1950
 654 1951-2000
 655 2001-
 656 Abstract photography
 656.5 Still life photography
 Cf. TR721+ Nature photography
- 656.7 Photography of food
 Photography of art
 657 General works
 658 Paintings
 658.3 Sculpture
 Photography of handicraft
 658.5 General works
 658.58 Ventriloquists' dummies
 659 Architectural photography
 Cf. NA2543.P46 Architecture and photography
- 659.5 Outdoor photography
 For lighting of open air views see TR615
- 659.8 Street photography
 Landscape photography
 660 General works
 660.5 Collections
 661 Panoramic views
 662 Gardens
 663 Markets
 Marines. Seashore photography. Water
 For photography of marine animals see TR729.M37
 Cf. TR800 Underwater photography
- 670 General works

- Applied photography
- Artistic photography
 - Marines. Seashore photography. Water -- Continued
 - 670.5 Ships, boats, etc.
 - 672 Mines
 - Human figures. Photography of the nude
 - 674 General works
 - 675 Collections
 - 676 Erotic photography
 - 678 Glamour photography
 - 679 Fashion photography
 - 679.5 Humorous photography
- Portraits
 - Cf. TR575+ Portrait photography
 - 680 Collections
 - 681.A-Z Special classes of persons, A-Z
 - 681.A26 Acrobats
 - 681.A28 Actors
 - 681.A32 Afghans
 - 681.A33 Africans
 - 681.A35 Aged. Older people
 - 681.A38 AIDS patients
 - 681.A67 Architects
 - 681.A69 Artisans
 - 681.A7 Artists
 - 681.A75 Asians
 - 681.A84 Athletes
 - 681.A85 Authors
 - 681.A94 Automobile drivers
 - 681.B35 Bald persons
 - 681.B37 Baseball players
 - 681.B52 Blacks
 - 681.B54 Blind
 - 681.B57 Bodybuilders
 - 681.B6 Boys
 - Brides see TR819
 - 681.C37 Cartoonists
 - 681.C38 Catholics
 - 681.C5 Children
 - 681.C62 Coal miners
 - Comfort women see TR681.P73
 - 681.C66 Cooks
 - 681.C68 Couples
 - Dancers see GV1785.A+
 - Daughters and fathers see TR681.F33
 - 681.D43 Dead
 - 681.D63 Dog owners
 - 681.D74 Dramatists
 - 681.E94 Exiles
 - 681.F28 Families
 - 681.F3 Famous persons
 - 681.F316 Farmers
 - 681.F32 Father and child
 - 681.F33 Fathers and daughters
 - 681.F34 Fathers and sons
 - 681.F57 Fishers

Applied photography

Artistic photography

Portraits

Special classes of persons, A-Z -- Continued

Foreign visitors see TR681.V58

681.G5

Girls

681.G73

Grandmothers

681.G9

Gypsies

681.H35

Handicapped. People with disabilities

681.H63

Homeless persons

681.H65

Homosexuals

681.I54

Immigrants

681.I58

Indigenous peoples

681.I6

Infants

681.J35

Janitors

681.L4

Legislators

681.L44

Leisure class

681.L47

Letter carriers

681.L63

Lobbyists

681.M38

Mathematicians

681.M39

Maya healers

681.M4

Men

681.M44

Merchants

681.M65

Monsters

681.M67

Mothers

681.M69

Motorcyclists

681.M72

Mountain people

(681.M86)

Musicians see ML87-ML88

681.N54

Night people

681.N66

Nomads

Older people see TR681.A35

People with disabilities see TR681.H35

681.P56

Photographers

681.P58

Poker players

681.P59

Politicians

681.P6

Poor

681.P67

Pregnant women

681.P69

Prisoners

681.P73

Prostitutes. Comfort women

681.P76

Psychiatric hospital patients

681.P84

Punks

681.R44

Redheads

681.R48

Refugees

681.R56

Religious leaders

Romanies see TR681.G9

681.S24

Sailors

681.S36

Scholars

681.S37

Scientists

681.S44

Sexual minorities

Class here works on sexual minorities in general

For specific types of sexual minorities, see the minority, e.g., Homosexuals, see

TR681.H65

Singers see ML87+

681.S45

Skinheads

681.S6

Snapshotters

Sons and fathers see TR681.F34

- Applied photography
- Artistic photography
 - Portraits
 - Special classes of persons, A-Z -- Continued
 - 681.S78 Students
 - 681.S88 Swimmers
 - 681.T47 Terminally ill
 - 681.T7 Transvestites
 - 681.T85 Twins
 - 681.V58 Visitors, Foreign
 - 681.W6 Women
 - 681.W62 Women clerks (Retail trade)
 - 681.W65 Working class
 - 681.Y58 Young men
 - 681.Y6 Youth
 - 682 Photographic patterns. Textures
 - Close-up photography
 - 683 General works
 - 683.5 Table-top photography
 - 684 Macrophotography
 - 685 Composite photography. Photomontage
 - 686 Photography of the grotesque
 - 687 Wide-angle photography
 - 688 Photograms
 - 689 Vernacular photography
 - Including photographs taken with cameras worn by animals, etc., for artistic or scientific purposes
 - 689.5 Appropriation (Art)
- Commercial photography
 - Cf. TR550+ Studio and laboratory
 - 690 General works
 - 690.2 Freelance photography. Amateur photography for profit
 - Cf. TR820 Photojournalism
 - 690.4 Advertising photography
 - 690.6 Stock photography
- Scientific and technical applications
 - 692 General works
 - 692.5 General special
 - Photogrammetry
 - Cf. TA592+ Photography in surveying
 - Cf. TR810 Aerial applications
 - 693 General works
 - 695 Tables, formulas, etc.
 - 696 Instruments, equipment, etc.
 - 702 Photography in engineering
 - 706 Industrial photography
 - 708 Medical photography
 - 710 Scientific expeditions
 - 713 Space photography
 - 714 Photography of airplanes
 - 715 Photography of railroads
 - Including model railroads
 - 716 Photography of automobiles
 - Photography of machinery
 - 717 General works
 - 717.3.A-Z Special subjects, A-Z

- Applied photography
 - Scientific and technical applications
 - Photography of machinery
 - Special subjects, A-Z -- Continued
 - Airplanes see TR714
 - Automobiles see TR716
 - Sex machines
 - Astronomical photography see QB121+
 - Photomicrography see QH251
 - Nature photography
 - Cf. QH46 Pictorial works in natural history
 - 717.3.S49
 - 721
 - General works
 - Plants, flowers, etc.
 - General works
 - Special subjects, A-Z
 - Bamboo
 - Bark
 - Fungi
 - Leaves
 - Lotus
 - Orchids
 - Roses
 - Trees
- 724
- 726.A-Z
- 726.B25
- 726.B3
- 726.F85
- 726.L42
- 726.L66
- 726.O73
- 726.R66
- 726.T7
- 727
 - General works
 - Special subjects, A-Z
 - Birds
 - Cats
 - Cows
 - Dogs
 - Elephants
 - Fish
 - Horses
 - Insects
 - Including individual insects
 - Livestock
 - Marine animals
 - Pets
 - Primates
 - Reptiles
 - Shells
 - Wildlife
- 729.L5
- 729.M37
- 729.P48
- 729.P74
- 729.R47
- 729.S54
- 729.W54
- 732
- 732.5
 - Rocks
 - Minerals
- Meteorological photography
 - General works
 - Clouds
- 732.8
- 733
- Agricultural photography
 - General works
 - Farms
 - Grain elevators
- 739
- 739.5
- 739.6
- 750
 - Radiography
 - Cf. QD945 X-ray crystallography
 - Cf. RC78+ Medical radiography
 - Cf. TA417.25 Radiographic examination
 - Cf. TR896.8 Cinderradiography

- Applied photography
 - Scientific and technical applications -- Continued
 - 755 Infrared photography
 - 757 Polarized-light photography
 - 760 Kirlian photography. High voltage photography
 - 770 Telephotography
 - 775 Archaeological photography
 - 780 Stereophotography
 - Cf. TR858 Stereoscopic motion pictures
 - (785) Military photography
 - see UG476
 - Geographical applications
 - 786 General works
 - 787 Mountain photography
 - 788 Subterranean photography. Cave photography
 - Cf. TR672 Photography of mines
 - 790 Travel photography
 - 792 Cold weather photography
 - 795 Tropical photography
 - 800 Underwater photography
 - Cf. GC10.4.P5 Photography in oceanography
 - Cf. TR670+ Marines. Seashore photography. Water
 - 810 Aerial photography. Photographic interpretation
 - Cf. G70.4 Remote sensing in geography
 - Photography in library science see Z681+
 - 816 Audiovisual photography. Photography in education
 - 817 Stage photography. Theater photography
 - 817.5 Dance photography
 - Cf. GV1596 Pictorial works
 - Cf. GV1785.A+ Portraits of dancers
 - 818 School photography
 - 819 Wedding photography
 - Cf. HF5439.W4 Salesmanship
 - 820 Photojournalism
 - 820.5 Documentary photography
 - Cf. D16.155 Photography in historiography
 - 820.6 War photography
 - 821 Sports photography
 - 822 Photography in criminology and law
 - Cf. KF8968 Photographic evidence (U.S.)
 - Photographic reproduction. Photocopying processes
 - Cf. Z265+ Printing
- 824 General works
- 824.4 Dictionaries. Encyclopedias
- 824.6 Directories
 - Industrial reproduction see TR900+
 - Map reproduction see GA150.7
 - Photomechanical processes see TR925+
 - Photography of art objects see TR657+
- 825 Photography of manuscripts, historic documents, etc.

- Applied photography
 - Photographic reproduction. Photocopying processes -- Continued
- 835 Microfilming. Microphotography
 - Including standards
 - Class here works on the operation and use of equipment to make microforms or other images too small to be seen by the naked eye
 - For works on the design and use of books, documents, computer-output data, etc., in a microform format see Z265.5.M53
 - For micropublishing see Z286.M5
- 840 Chronophotography
 - Cf. TR857 Time lapse cinematography
- Cinematography. Motion pictures. Video recording
 - Cf. NC1765+ Cartoons
 - Cf. PN1993+ Drama
 - Cf. TR592 Instantaneous photography
 - Cf. UF840 Photochronograph in ballistics
- 845 Periodicals. Societies. Collections
- 846 Congresses
- 847 Dictionaries and encyclopedias
- 847.5 Directories
- 848 History
- Biography
 - Including inventors, projectionists, etc.
 - For producers, directors, etc. see PN1998.3.A+
 - For actors and actresses see PN2287.A+
- 849.A1 Collective
- 849.A2-Z Individual, A-Z
- 850 Treatises
- 851 Elementary and juvenile works
- 851.8 Tables, calculations, etc.
- 852 Study and teaching
- Special photographic processes
 - 853 Color cinematography
 - 854 3-D films. Stereoscopic motion pictures
 - Including true 3-D and simulated 3-D
 - 855 Wide-screen processes
 - 857 Time-lapse photography
 - 858 Trick cinematography. Special effects
 - 859 Front-screen projection
 - 860 Digital cinematography
 - Including the use of digital video for purposes of making a motion picture product
 - For special software see TR897.72.A+
- 862 High definition video recording
- Motion picture machines
 - 878 General works
 - 880 Motion picture cameras. Cinematograph
 - Electronic cameras. Television cameras
 - 882 General works
 - 882.3 Camcorders
 - Cf. TK6655.V5 Television equipment
 - Cf. TR896+ Home video photography
 - 882.5 Television camera operation
 - 883.A-Z Special makes of motion picture cameras, A-Z
 - 883.A77 Arriflex
 - 883.B6 Bolex
 - 883.D4 De Jur

- Cinematography. Motion pictures. Video recording
 - Motion picture machines
 - Special makes of motion picture cameras, A-Z -- Continued
 - 883.P36 Panaflex
 - 883.R43 Red One
 - 885 Other special machines
 - Including kinoscope, photochronograph, etc.
 - Motion picture film
 - 886 General works
 - 886.2 Processing of exposed film
 - 886.3 Preservation
 - 886.5 Splicing
 - 886.7 Dubbing
 - 886.9 Titling
 - Cf. PN1995.9.C65 Credit titles
 - Cf. PN1995.9.T57 Titles of motion pictures
 - 887 Catalogs, etc.
 - 889 Classification
 - 890 Projection
 - 891 Lighting for motion pictures
 - Including lighting for video recording
 - For lighting for television broadcasting see PN1992.8.L5
 - Cf. TR590+ Lighting
 - Applied cinematography
 - 892 General works
 - 892.4 Artistic cinematography
 - 892.7 Educational cinematography
 - Cf. LB1044 Audiovisual education
 - 893 Scientific cinematography
 - General works
 - Microcinematography see QH46
 - (893.2) Medical cinematography
 - Nature cinematography
 - 893.4 General works
 - 893.5 Wildlife cinematography
 - 893.8 Underwater cinematography
 - 894 Industrial cinematography
 - Commercial cinematography
 - 894.3 General works
 - 894.4 Freelance cinematography
 - 894.6 Advertising cinematography
 - 895 Newsreel cinematography
 - Cf. PN4784.M6 Motion-picture journalism
 - 895.4 Documentary cinematography
 - Cf. PN1995.9.D6 Drama
 - 895.6 Sports cinematography
 - Family cinematography. Amateur cinematography. Home video photography
 - 896 General works
 - 896.5 Vacation and travel cinematography
 - 896.8 Cineradiography
 - 897 Sound motion pictures
 - Animated motion pictures
 - Cf. NC1765+ Motion picture cartoons
 - 897.5 General works
 - 897.6 Stop-motion animation
 - Computer animation

- Cinematography. Motion pictures. Video recording
 - Animated motion pictures
 - Computer animation -- Continued
 - 897.7 General works
 - 897.72.A-Z Special software, A-Z
 - 897.72.A14 3ds max
 - 897.72.A335 Adobe After effects
 - 897.72.A338 Adobe Animate CC
 - 897.72.A34 Adobe Edge animate
 - 897.72.B53 Blackmagic Fusion
 - 897.72.B55 Blender
 - 897.72.C36 Camtasia Studio
 - 897.72.F53 Flash
 - 897.72.M39 Maya
 - 897.72.S38 Scratch
 - 897.72.T66 Toon Boom animate
 - 897.74 Machinima
 - 897.75 Morphing
 - 897.77 Rigging
 - 898 Motion pictures for television
 - Cf. PN1992.63 Drama
 - Cf. PN1992.8.F5 Films in television programming
 - Editing of motion pictures
 - 899 General works
 - 899.5 Time code
 - Industrial reproduction
 - 900 General works
 - 905 Enlargements
 - 910 Reductions
 - Direct reproductions on same scale
 - 915 General works
 - Processes for reproducing working drawings, plans, etc.
 - 920 General works
 - 921 Blue processes. Blueprints
 - 923 Black processes
 - Photomechanical processes
 - 925 General works
 - 927 Special applications. Book illustration, etc.
 - Collotype processes
 - 930 General works
 - 933 Albertype
 - 935 Autotype
 - 937 Heliotype
 - Photolithography
 - 940 General works
 - 950 Aluminium process
 - Photozincography
 - 955 Photozincography
 - Photoxylography
 - 960 Photoxylography
 - Photoengraving. Relief processes
 - 970 Photoengraving. Relief processes
 - Cf. TS171.95 Three-dimensional printing
 - 975 Halftone process
 - 976 Mezzograph
 - 977 Color processes
 - Cf. TR510+ Color photography
 - 980 Photogravure. Heliogravure. Intaglio process
 - Gelatine relief processes

| TR | PHOTOGRAPHY | TR |
|--------|--|----|
| | Photomechanical processes | |
| | Gelatine relief processes -- Continued | |
| 990 | Photogalvanography | |
| 995 | Woodburytype. Photoglyptie | |
| 997 | Stannotype | |
| (1010) | Phototypesetting | |
| | see Z253.2 | |
| | Electrophotography | |
| 1035 | General works | |
| | Electrostatic printing | |
| 1042 | General works | |
| 1045 | Xerography | |
| 1050 | Ferromagnetography | |

Manufactures

Cf. HD9000+ Economics

Cf. HF5686.M3 Accounting

Cf. TP1+ Chemical technology

Cf. TT1+ Handicrafts

1 Periodicals, societies, etc.

5 Congresses

Museums and local exhibitions see T180+

Exhibitions, national and international see T391+

7 Collected works (nonserial)

9 Encyclopedias and dictionaries

Directories see T11.95+

15 History

21-127 Country divisions (Table T1a)

Add country number in table to TS0

Cf. T21+ Technology (General)

Biography

139 Collective

140.A-Z Individual, A-Z

General works

144 Early to 1800

145 1800-

146 Juvenile works. Popular works

147 Pictorial works

Workshop manuals, etc. see TT153+

Machinists' manuals see TJ1165

Tables, receipts, etc. see T49

148 Addresses, essays, lectures

149 General special

Production management. Operations management

Including factory management

155.A1 Periodicals, societies, etc.

155.A2-Z General works

Study and teaching see T56.4+

Manufacturing personnel

Cf. HF5549+ Personnel management

Cf. T55+ Plant safety

Cf. TA158+ Industrial technicians

155.4 Plant supervisors

155.5 Foremen

Data processing. CAD/CAM systems

155.6 General works

155.63 Computer integrated manufacturing systems

155.65 Flexible manufacturing systems

155.67 Parallel kinematic machines

155.7 Environmental aspects

Control of production systems

155.8 General works

Quality control

Cf. TJ245.5 Quality control of machinery

156.A1 Periodicals, societies, etc.

156.A2-Z General works

Standards

156.16 General works

156.17.A-Z Special, A-Z

156.17.l86 ISO 9000 Series standards

| | |
|------------|---|
| | Production management. Operations management |
| | Control of production systems |
| | Quality control |
| | Standards |
| | Special, A-Z -- Continued |
| 156.17.S59 | Six Sigma |
| | Inspection |
| 156.2 | General works |
| 156.25 | Grading |
| 156.4 | Acceptance sampling |
| 156.6 | Quality assurance |
| 156.8 | Process control |
| | Cf. TP155.75 Chemical process control |
| | Production control |
| | Cf. HF5415.2 Market research |
| | Cf. TS176+ Production planning |
| 157.A1 | Periodicals, societies, etc. |
| 157.A2-Z | General works |
| 157.4 | Just-in-time systems |
| | Scheduling |
| | Cf. HD69.T54 Industrial management |
| 157.5 | General works |
| 157.7 | Gantt charts |
| 158 | Critical path analysis |
| 158.2 | PERT |
| 158.4 | Line of balance technique |
| 158.6 | Automatic data collection systems |
| | Inventory control |
| | Cf. HD39.5 Industrial procurement |
| | Cf. HD40 Inventory policy |
| | Cf. HD40.7 Surplus property |
| | Cf. HF5484+ Warehousing and storage |
| 160 | General works |
| 161 | Materials management. Industrial ecology |
| 162 | Economic lot size. Economic order quantity |
| 163 | Stockkeeping |
| | Cf. TS189.6 Storerooms. Warehouses |
| | Cost control |
| | Cf. HD47.3 Economics |
| | Cf. TA177.4+ Engineering economy |
| 165 | General works |
| 166 | Estimating |
| 167 | Manufacturing costs |
| (167.5) | Break-even point |
| | see HD47.25 |
| 168 | Value analysis. Value engineering |
| 169 | Waste control |
| | Product engineering |
| | Cf. T59+ Standardization |
| | Cf. TS195+ Packaging |
| 170 | General works |
| | Industrial research see T175+ |
| 170.5 | Environmental aspects |
| | Product design. Industrial design |
| 171.A1 | Periodicals, societies, congresses, etc. |
| | Museums, exhibitions of local societies see T179+ |

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| | Production management. Operations management |
| | Product engineering |
| | Product design. Industrial design -- Continued |
| | Exhibitions, national and international see T391+ |
| | Special countries and designers see TS21+ |
| 171.A5-Z | General works |
| 171.4 | General special |
| 171.44 | Study and teaching. Schools |
| 171.55 | Mass customization |
| | Including configuration management of products |
| 171.57 | Makerspaces |
| 171.6 | Pictorial works |
| 171.8 | Prototyping |
| 171.9 | Statistical methods |
| 171.95 | Three-dimensional printing |
| 172 | Tolerances |
| | Cf. T50 Technical measurement |
| 173 | Reliability of industrial products |
| | Cf. TA169+ Systems reliability |
| 174 | Maintainability |
| 175 | Product safety. Safety of consumer products |
| | Cf. T55+ Industrial safety. Industrial accident prevention |
| | Cf. TA169.7 System safety |
| 175.5 | Product testing |
| | Manufacturing engineering. Process engineering |
| | Including manufacturing planning, production planning |
| | Cf. HD58 Plant location |
| 176 | General works |
| 177 | Plant design. Factory planning |
| 177.3 | Plant size. Factory size |
| | Plant layout |
| 178 | General works |
| 178.2 | Batch production |
| | Production lines. Assembly line processes |
| 178.4 | General works |
| 178.5 | Line balancing |
| 178.7 | Operation sequence analysis |
| | Materials handling |
| 180 | General works |
| 180.3 | Machinery |
| 180.5 | Loading and unloading |
| | In-plant transportation |
| 180.6 | General works |
| 180.8.A-Z | Special materials, A-Z |
| 180.8.B8 | Bulk solids |
| | Planning for machinery. Equipment analysis |
| | Cf. TS191.3 Installation of machinery |
| 181 | General works |
| 181.3 | Selection |
| 181.4 | Tool life |
| 181.6 | Replacement |
| | Manufacturing processes |
| | Cf. TJ1180+ Tool engineering |
| 183 | General works |
| | Process planning |
| 183.3 | General works |

- Production management. Operations management
- Manufacturing engineering. Process engineering
- Manufacturing processes
- Process planning -- Continued
- 183.6 Make-or-buy decisions
- 183.8 Remanufacturing
- Plant engineering
 - Cf. T55+ Plant safety
 - Cf. T59.77 Working environment
 - Cf. TD895+ Factory sanitation
 - Cf. TD896+ Factory waste disposal
 - Cf. TH9445.M4+ Fire prevention in factories
 - Cf. TH9745.F3 Plant protection
- 184 General works
- 186 Factory buildings. Industrial buildings
 - Cf. NA6396+ Architecture
 - Cf. TH4511+ Factory construction
- 187 Plant utilities
 - For specific utilities, see the utility, e.g. TH7392.M6 Heating of mills and factories
- 188 Employee facilities and buildings
- Plant service facilities
- 189 General works
- 189.3 Toolrooms and cribs
- 189.6 Storerooms. Storage facilities. Warehouses
- Plant grounds
- 190 General works
- 190.5 Industrial landscape architecture
- Machinery and equipment
- 191 General works
- 191.3 Installation
- 191.6 Catalogs
- 191.8 Industrial robots
 - Cf. TJ210.2+ Robots (General)
- 192 Plant maintenance
- 193 Plant housekeeping
- 194 Plant performance monitoring
- Packaging
 - For packaging of special products, see the product, e.g. TP374 Packaging of food
 - Cf. HF5770.A1+ Shipping of merchandise
 - Cf. TA1215 Containerization of freight
- 195.A1 Periodicals, societies, congresses, etc.
- 195.A2 Dictionaries and encyclopedias
- 195.A3 Directories
- 195.A4A-.A4Z Special companies. By name, A-Z
- 195.A5-Z General works
- 195.2 General special
- 195.4 Design
- 195.6 Standards and specifications
- 195.8 Testing
- Management
- 196 General works
- 196.2 Costs
- 196.4 Machinery
- Labeling
- 196.6 General works
- 196.7 Printing

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| | Packaging -- Continued |
| 197 | Handling |
| 197.5 | Containers (General) |
| 198.A-Z | Special containers and packaging methods, A-Z |
| 198.A3 | Aerosols |
| 198.B3 | Bags |
| 198.B6 | Boxes |
| | Cf. TS900 Box making |
| 198.C3 | Cans |
| 198.C33 | Capsules. Microencapsulation |
| 198.C46 | Child-resistant packaging |
| 198.F55 | Flexible packaging |
| 198.I58 | Insect-resistant packaging |
| | Microencapsulation see TS198.C33 |
| 198.P7 | Pressure packaging |
| 198.W7 | Wrapping |
| | Materials |
| 198.2 | General works |
| 198.3.A-Z | Special materials, A-Z |
| | Prefer TS198 |
| 198.3.A3 | Adhesives. Tapes |
| 198.3.C6 | Coatings |
| 198.3.F5 | Films. Foils |
| 198.3.G5 | Glass |
| 198.3.M4 | Metal (non-foil) |
| 198.3.P3 | Paper. Paperboard |
| 198.3.P5 | Plastics (non-foil) |
| | Tapes see TS198.3.A3 |
| 198.3.T5 | Textile fabrics |
| 198.3.W6 | Wood |
| | Packaging for protection from mechanical damage |
| | Including packing for shipment |
| 198.5 | General works |
| 198.6.A-Z | Special protective materials and shipping containers, A-Z |
| | Prefer TS198 |
| 198.6.B3 | Barrels |
| 198.6.C6 | Conex containers |
| 198.6.C7 | Crates |
| 198.6.C8 | Cushioning |
| 198.6.D7 | Drums |
| 198.6.E9 | Excelsior |
| 198.6.P3 | Pallets |
| | Packaging for protection from exposure to harmful environments |
| 198.7 | General works |
| 198.8.A-Z | Special environments, A-Z |
| 198.8.C6 | Corrosion |
| 198.8.F8 | Fungi |
| 198.8.M6 | Moisture |
| 199 | General catalogs |
| | Metal manufactures. Metalworking |
| | Including metal forming and working |
| 200 | Periodicals, societies, etc. |
| 203 | Directories |
| 204 | Dictionaries and encyclopedias |
| 205 | General works |
| | Cold working |

- Metal manufactures. Metalworking
 - Cold working -- Continued
 - 207 General works
 - 207.3.A-Z Special topics, A-Z
 - 207.3.C65 Cold roll forming
 - 207.3.P44 Peening
 - Including shot peening, glass shot peening, hammer peening, laser peening, water jet peening, etc.
 - 209 Heating of metals
 - Cf. TS325 Heating of steel
 - 209.5 Hot working
 - 210 Handbooks, tables, etc.
 - 213 General special
 - 214 Scrap metals
 - 215 Metalworking machinery
 - Cf. TJ1180+ Machine and hand tools
 - Machining see TJ1180+
 - Forging. Drop-forging
 - Cf. TT218+ Blacksmithing
 - 225 General works
 - History
 - 225.2.A1 General works
 - 225.2.A5-Z By region or country, A-Z
 - Joining of metals
 - 226 General works
 - Bonding (Metal finishing) see TS718
 - Brazing (Handicrafts) see TT267
 - Fasteners see TJ1320+
 - Riveting (Iron and steel work) see TA891
 - Riveting (Machine shop practice) see TJ1325
 - Sealing (Machinery) see TJ246
 - Soldering (Tinsmithing) see TS610
 - Soldering (Handicrafts) see TT267
 - Welding
 - Cf. TA492.W4 Welded joints
 - Cf. TT211 Welding in mechanical arts
 - 227.A1 Periodicals, societies, etc.
 - 227.A3-Z General works
 - 227.2 General special
 - 227.3 Hard-facing
 - 227.4 Directories
 - 227.5 Dictionaries and encyclopedias
 - 227.55 Examinations, questions, etc.
 - 227.6 Research
 - 227.7 Vocational guidance
 - 227.8 Safety measures
 - Gas welding. Oxyacetylene welding
 - 228.A1 Periodicals, societies, etc.
 - 228.A2-Z General works
 - 228.2 Oxygen cutting
 - 228.3 Dissimilar welding
 - (228.4-.7) Electric welding, arc welding, resistance welding
 - see TK4660
 - (228.8) Electric cutting
 - see TK4660.5
 - 228.9 Pressure welding

- Metal manufactures. Metalworking
 - Joining of metals
 - Welding -- Continued
 - 228.92 Ultrasonic welding
 - 228.95 Laser welding
 - 228.96 Explosive welding
 - Casting. Foundry work
 - Including general foundry work, and iron and steel founding
 - For the founding of other special metals see TS551+
 - For the founding of nonferrous metals see TS375
 - 228.99 Periodicals, societies, etc.
 - 229 Directories of foundries
 - 229.3 Dictionaries and encyclopedias
 - History
 - 229.5.A1 General works
 - 229.5.A5-Z By region or country, A-Z
 - 230 General works
 - 230.5 Addresses, essays, lectures
 - 231 Cupola furnaces
 - Cf. TN715 Blast furnaces
 - 233 General special
 - Including automation
 - 234 Specifications
 - 235 Handbooks, tables, etc.
 - 236 Castings
 - 237 Foundry equipment and supplies. Catalogs
 - 238 Foundry management. Estimating, etc.
 - Including safety measures
 - 239 Diecasting
 - 240 Patternmaking
 - For patternmaking for sheet metals see TS250
 - For patternmaking for tin see TS600+
 - For patternmaking for copper see TS620+
 - Molding. Coremaking
 - 243 General works
 - 243.5 Molding materials. Molding sand
 - 245 Powder metallurgy processes and manufactures
 - Cf. TN695+ Metallurgy
 - 247 Rapid solidification processing
 - 248 Semisolid processing
 - 250 Sheet metalwork
 - For tinsmithing see TS600+
 - For coppersmithing see TS620+
 - 253 Metal stamping
 - Including punch and die work, press-tool work, diemaking, etc.
 - Cf. TJ1255+ Punching machinery
 - 255 Extrusion of metals
 - 256 High energy forming
 - 257 Explosive forming
 - 260 Leaf metals
 - Wiremaking
 - Cf. TS1787 Wire rope
 - 270.A1 Periodicals, societies, etc.
 - 270.A2-Z General works
 - 271 Barbed wire
 - Cf. S790+ Fences

Metal manufactures. Metalworking -- Continued

- 273 Wire screens
 - Cf. TH2276 Screens
- 275 Sieves
- 277 Valves (General)
 - For special applications, see the field of application, e.g. TD491 Water distribution systems; TJ352+ Steam boiler safety valves; TL625.V3 Balloon valves
- Pipes and tubes
- 280 General works
- 282 Catalogs
- 283 Pressure vessels
 - Cf. TA660.T34 Tanks. Pressure vessels (Structural engineering)
- 285 General catalogs of metal manufactures
- Iron and steel
 - Cf. HD9510+ Economics
- 300 Periodicals, societies, etc.
- Exhibitions
- 300.5.A1 General works
- 300.5.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 301 Directories
- 302 Dictionaries and encyclopedias
- History see TN703
- Special countries
 - Cf. TN704.A+ Metallurgy
- United States
- 303 General works
- 303.5 Biography
- 304.A-Z Other countries, A-Z
- 305 General works
- 307 General special
 - Including patents
- 309 Catalogs
- Specifications see TA466
- 320 Steelworking. Tool steel
- 325 Heating of steel
- 330 Steel plants
 - Including technical descriptions, histories, etc.
- 330.A1 Collective
- 330.A2-Z Individual, A-Z
- 340 Rolling of metals. Rolling mills and machinery
- 350 Structural iron and steel
 - Cf. TA685 Pocketbooks, tables, etc.
- 360 Sheet iron and steel
- Steel pens see TS1263
- Nonferrous metals (General)
- 370.A1 Periodicals, societies, etc.
- 370.A2-Z General works
- 371 General special
- 372 Catalogs
- 375 Founding. Casting
- Special plants
- 377.A1 Collective
- 377.A2-Z Individual, A-Z
- Cutlery
- 380 General works

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| | Metal manufactures. Metalworking |
| | Cutlery -- Continued |
| | Biography |
| 380.3 | Collective |
| 380.4.A-Z | Individual, A-Z |
| 381 | Scissors and shears (Hand) |
| | Hardware |
| | Cf. HD9745 Economics |
| | Cf. TH5618 Carpenters' tools |
| | Cf. TH6299 Plumbers' tools |
| | Periodicals see TS200 |
| 400 | General works |
| 403 | Directories |
| 405 | Catalogs |
| 408 | Furniture |
| | Including steel, iron, other metal |
| | Cf. TS879.2+ Lumber and woodwork |
| 410 | Scales (Weighing instruments) |
| 420 | Safes |
| | Cf. TH9735 Security in buildings |
| 425 | Stoves and ranges |
| | Cf. TX657.S3+ Home economics |
| | Miscellaneous articles of iron and steel |
| | Including chains, nails, etc. |
| 440 | General works |
| 445 | Catalogs |
| | Instrument manufacture |
| | Cf. Q184+ Scientific instruments and apparatus |
| | Cf. TA165 Engineering instruments |
| 500 | General works |
| | Optical instruments. Optomechanics |
| 510 | Periodicals, societies, congresses, etc. |
| 511.A-Z | By region or country, A-Z |
| | Subarrange each country by Table T4a |
| 512.A-Z | Special companies, A-Z |
| 513 | General works |
| 514 | General special |
| 515 | Standards and specifications |
| 516 | Catalogs |
| 517 | Preparation of optical surfaces |
| | Including grinding and polishing |
| 517.2 | Optical coatings |
| | Lenses |
| 517.3 | General works |
| 517.5.A-Z | Special types of lenses, A-Z |
| 517.5.A86 | Aspheric lenses |
| 517.5.C38 | Catadioptric systems |
| | Mirror lenses see TS517.5.C38 |
| 517.5.P5 | Plastic lenses |
| 518 | Liquid crystal devices |
| | Locksmithing |
| | Cf. TH9737 Building protection equipment |
| 519 | Periodicals, societies, etc. |
| 519.5 | History |
| 520 | General works |
| 521 | General special |

Metal manufactures. Metalworking

Locksmithing -- Continued

- 525 Lock picking
- 529 Catalogs of locks
- 530 Catalogs of keys
- 531 Handcuffs and other metal restraints
- 531.5 Padlocks

Firearms. Guns

- 532 Cf. NK6900+ Decorative arts
- 532 Periodicals, societies, etc.
- 532.15 Dictionaries and encyclopedias
- Museums. Exhibitions
- 532.2.A1 General works
- 532.2.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 532.4 Collectors and collecting
- History
- 533 General works
- Special countries
- United States
- 533.2 General works
- 533.3.A-W By state, A-W
- 533.4.A-Z Other regions or countries, A-Z
- Biography
- 533.6 Collective
- 533.62.A-Z Individual, A-Z
- 534 General works
- 534.5 General special
- 534.7 Catalogs
- Gunsmithing
- Cf. HD9743 Economics
- Cf. SK274+ Hunting
- Cf. UD380+ Military rifles, etc.
- 535 General works
- 535.2.A-Z Special features and equipment, A-Z
- 535.2.G8 Gunstocks
- 535.2.H64 Holsters
- 535.2.L6 Locks
- 535.2.S46 Sights
 - For telescopic sights see TS535.2.T4
- 535.2.S5 Silencers
- 535.2.T4 Telescopic sights
- 535.4 Maintenance and repair
- 535.8 Muzzle-loading firearms
 - Cf. TS536.6.M8 Rifles
- Types of guns
- 536 Repeating firearms
- Rifles
- 536.4 General works
- 536.6.A-Z Special types, A-Z
- 536.6.B6 Bolt action
- 536.6.B76 Browning rifles
 - Cf. UD395.B8 Browning automatic rifle
- 536.6.F34 Falling block
- 536.6.G37 Garand rifle
- 536.6.K4 Kentucky rifle

Metal manufactures. Metalworking

Firearms. Guns

Types of guns

Rifles

Special types, A-Z -- Continued

536.6.L48

Leveraction

536.6.M8

Muzzle-loading

536.6.R44

Remington rifles

536.6.R84

Ruger rifle

536.6.S3

Schuetzen rifles

536.6.S5

Single shot

536.6.S64

Spencer rifle

536.6.W55

Winchester rifle

536.8

Shotguns

536.9

Submachine guns

537

Handguns

Including pistols and revolvers

537.5

Air guns

Ammunition

Cf. UF700 Military science

Cf. UF820+ Ballistics

538

General works

538.3

Handloading

538.4

Pinfire

538.5

Tear gas munitions

Watches and clocks

Cf. HD9999.C58+ Economics

Cf. NK7480+ Decorative art

540

Periodicals, societies, etc.

540.7

Dictionaries and encyclopedias

Museums. Exhibitions

541.A1

General works

541.A2-Z

By region or country, A-Z

Subarrange each country by Table T4b

History

542

General works

542.5

Juvenile works

543.A-Z

By region or country, A-Z

543.5.A-Z

Special clocks. By place, A-Z

544

Standard clock systems. Electric clocks

544.5

Specifications

544.8.A-Z

Biography, A-Z

545

General works

545.8

Study and teaching. Schools

545.9

Vocational guidance

546

Watchmakers' lathes and other machinery

547

Repairing and adjusting

548

General special

Including testing, reading the clock

549

Catalogs

Sundials see QB215

Light metals

551

Periodicals, societies, etc.

552

General works

Aluminum

Cf. TN775 Metallurgy

- Metal manufactures. Metalworking
 - Aluminum -- Continued
 - 554 Periodicals, societies, etc.
 - 555 General works
 - 556 Aluminum plants
 - 557 Catalogs
 - 560 Magnesium
 - 562 Titanium
 - Brass and bronze
 - 564 Periodicals, societies, etc.
 - 565 General works
 - 570 Bronze
 - 573 Catalogs
 - Bells
 - For history and antiquities see CC200+
 - General works
 - 583 Early to 1800
 - 585 1800-
 - 588 General catalogs, etc.
 - For lists of the products of individual foundries and makers see CC206.A+
 - 589 Doorbells
 - Cf. TK7108+ Electric bells
 - Tinplate
 - Cf. HD9539.T5+ Economics
 - 590 General works
 - 597 Tables, calculations, etc.
 - Cf. HF5716.T4 Economics
 - 599 Catalogs
 - Tinsmithing
 - Cf. TT266+ Handicraft
 - 600 General works
 - 610 Soldering
 - 619 Tinware and tinsmiths' supplies
 - Coppersmithing. Copper founding
 - 620 General works
 - 625 Catalogs
 - 640 Zinc
 - 650 Alloys
 - Cf. TA483+ General properties of alloys
 - Cf. TN689+ Metallography
 - Metal finishing and surface treatment (General)
 - Cf. TT382+ Handicrafts
 - 653.A1 Periodicals, societies, etc.
 - 653.A2-Z General works
 - 653.5 General special
 - Including safety measures
 - 654 Cleaning and pickling
 - 654.5 Electrolytic polishing
 - 655 Metallizing. Metal spraying
 - 657 Calorizing
 - 660 Galvanizing and tinning
 - 662 Electroless plating
 - Electroplating. Electrometallurgy
 - 670.A1 Periodicals, societies, etc.
 - 670.A2-Z General works
 - 671 Pulse plating

Metal manufactures. Metalworking

Metal finishing and surface treatment (General)

Electroplating. Electrometallurgy -- Continued

- 672 Plating baths
- 675 Electroplated ware. Catalogs
- 678 Gold plating
- 680 Silver plating
- 690 Nickel plating
- 692.A-Z Other metals, A-Z
- 692.A5 Aluminum
- 692.C18 Cadmium
- 692.C4 Chromium
- 692.C57 Cobalt
- 692.C6 Copper
- 692.I7 Iron
- 692.P55 Platinum
- 692.P56 Platinum group
- 692.R5 Rhodium
- 692.T5 Titanium
- 692.T8 Tungsten
- 692.Z5 Zinc
- 693 Alloys
- Anodic oxidation
- 694 General works
- 694.2 Aluminum
- Vapor-plating. Chemical vapor deposition
- 695 General works
- 695.15 Plasma-enhanced chemical vapor deposition
- 695.2 Ion plating
- 695.25 Ion implantation
- 695.3 Boriding
- 695.5 Siliconizing
- 695.7 Sulfonitriding
- 695.9 Refractory coating
- 696 Phosphate coating
- 698 Painting and lacquering
- 699 Powder coating
- Enameling
- Cf. TT382.6 Handicrafts
- 700 General works
- 705 Catalogs of enameled ware
- 710 Coloring
- 715 Gilding. Silvering. Bronzing
- Cf. TT380 Mechanic trades
- 718 Bonding
- Including rubber to metal bonding
- 719 Printing
- Precious metals. Gold and silver work. Jewelry
- Cf. HD9536 Economics
- Cf. NK7100+ Decorative art
- Cf. NK7210 Hallmarks
- 720 Periodicals, societies, etc.
- 722 Dictionaries and encyclopedias
- 723 History
- 725 General works

- Metal manufactures. Metalworking
 - Precious metals. Gold and silver work. Jewelry -- Continued
 - 729 General special
 - Including alloys, tables, calculations, recovery of wastes
 - Silversmithing
 - 730 General works
 - 735 Silverware, etc. Catalogs
 - Jewelry
 - Cf. HD9747 Jewelry industry
 - Cf. TS759 Jewelers' catalogs
 - Cf. TS760 Jewelers' supplies
 - Cf. TT212 Jewelry craft
 - 740 General works
 - Precious stones. Gems
 - Biography
 - 747 Collective
 - 748 Individual, A-Z
 - General works
 - 750 Early to 1800
 - 752 1800-
 - 752.5 Gem cutting
 - Special
 - Diamonds
 - 753 General works
 - 753.5 Diamond cutting
 - 755.A-Z Other special, A-Z
 - 755.A5 Amber
 - 755.E5 Emeralds
 - 755.J34 Jade
 - 755.O73 Opals
 - Pearls
 - 755.P3 General works
 - 755.P4 Cultured pearls
 - 755.R82 Rubies
 - 755.T8 Turquoise
 - 756 General special
 - 757 Trade publications
 - 758 Directories
 - 759 Jewelers' catalogs
 - 760 Jewelers' supplies
 - 761 Emblems, badges, etc.
 - 770 Platinum
 - Stonework
 - Cf. NK8700+ Decorative arts
 - 780 General works
 - 788 Monuments, tombstones, tablets, etc.
 - Glass manufacture see TP845+
 - Plastic manufactures see TP1101+
 - Wood technology. Lumber
 - Cf. HD9750+ Economics
 - Cf. SD1+ Forestry
 - Cf. TA419+ Engineering materials
 - 800 Periodicals
 - 801 Societies
 - 802 Congresses
 - 803 Directories

- 804 Wood technology. Lumber -- Continued
 - Dictionaries and encyclopedias
 - History
 - United States
- 805 General works
- 806.A-.W Special states, A-W
- 810.A-Z Other countries, A-Z
- 815.A-Z Special corporations, mills, etc., A-Z
- 820 General works
- 821 Juvenile works
- 825 Inspection, grading, etc. Handbooks
- 835 General special
 - Including utilization, handling, standards, etc.
- 836 Catalogs
- 837 Drying of lumber. Lumber kilns. Seasoning
 - Lumberyards and sheds see TH4485
 - Wood products. Furniture
 - Including industrial woodworking
 - Cf. HD9773 Economics
 - Cf. TT180+ Arts and crafts
- 840 Periodicals, societies, etc.
- 842 Directories
 - History and special countries see TS805+
- 843 General works
- 847 Tables, calculations, etc.
- 850 Machinery. Sawmills. Planing mills
- 851 Care of saws, saw sharpening, etc.
 - Cf. TJ1235 Saw sharpening, etc.
- 852 General special
- 853 Catalogs
- 857 Bonding. Wood adhesives
- 858 Formaldehyde release
- 868 Compressed wood
- 869 Laminated wood
- 870 Veneers and veneering. Plywood
- 875 Fiberboard, particle board, etc.
 - Cf. TH1555 Fiberboard
- 878 Millwork. Planing-mill products
 - Cf. TH1151+ Architectural woodwork
 - Furniture
 - Cf. NK2200+ Decorative arts
 - Cf. TP1185.F8 Plastic furniture
 - Cf. TS408 Metal furniture
 - Cf. TT194+ Arts and crafts
 - Periodicals see TS840
- 880 General works
 - Juvenile works see TS821
 - Exhibitions
- 882.A1 General works
- 882.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 885 Directories see TS842
- 886 General special
 - Finishing
 - Cf. TT199.4 Handicrafts
- 886.5.A-Z Special types of furniture, A-Z

- Wood technology. Lumber
- Wood products. Furniture
- Furniture
 - Special types of furniture, A-Z -- Continued
 - 886.5.B4 Beds and bedsteads
 - 886.5.C45 Chairs
 - Including rocking chairs
 - 886.5.C74 Cribs
 - 886.5.T3 Tables
 - 887 Catalogs
 - 889 Fixtures for stores, etc.
 - 890 Cooperage. Barrels. Staves
 - 900 Box making
 - Cf. TS198.B6 Packaging
 - 903 Miscellaneous manufactures of wood
 - 905 General catalogs of woodwork
 - 908 Cork industry
 - Cf. TP659.A1+ Bottling
 - 910 Willowware. Basketmaking
 - Cf. NK3649.5+ Decorative arts
 - Cf. TT879.B3 Handicrafts
 - 913 Miscellaneous hand-woven products
 - Including baskets, trays, lampshades, etc.
 - 915 Wire-grass industry
 - Including Crex Carpet Company products
 - Cf. TS1747+ Fiber industries
- Chemical processing of wood
 - Including wood from trees and other woody plants
 - 920 Periodicals. Societies. Collections
 - 921 Congresses
 - 922 Dictionaries and encyclopedias
 - Special countries
 - 924 United States
 - 926.A-Z Other countries, A-Z
 - 928 General works
 - 930 General special
 - Wood composition and chemistry
 - 932 General works
 - 933.A-Z Individual components, A-Z
 - 933.C4 Cellulose
 - 933.L5 Lignin
 - 933.S2 Salt
 - 934.A-Z Chemical properties of individual timbers and woods, A-Z
 - 936 Processing methods
 - Cf. TP997 Destructive distillation of wood
 - 937 Management
 - 937.2 Special products
 - Charcoal see TP331
 - Fiberboard, particle board, etc. see TS875
 - Paper see TS1080+
 - Rayon see TS1544.R3
 - Tannins see TS985
 - Turpentine see TP977+
 - Woodpulp see TS1171+

| | |
|-----------|---|
| | Leather industries. Tanning |
| | Cf. HD9780 Economics |
| | Cf. TT290 Handicraft |
| 940 | Periodicals, societies, etc. |
| | Exhibitions |
| 943.A1 | General works |
| 943.A2-Z | By region or country, A-Z |
| | Subarrange each country by Table T4b |
| 945 | Directories |
| 947 | Dictionaries and encyclopedias |
| | History |
| 950 | General works |
| 951 | Origins |
| 952 | Medieval |
| 954 | Modern |
| | Special regions or countries |
| | United States |
| 955 | General works |
| 956.A-.W | States, A-W |
| 957.A-Z | Europe, A-Z |
| 959.A-Z | Other regions or countries, A-Z |
| 965 | General works |
| 965.5 | Juvenile works |
| 967 | General special |
| | Including chemistry, testing, hides and skins |
| 968 | Study and teaching. Schools |
| 970 | Patent leather |
| 980.A-Z | Other special kinds of leather, A-Z |
| 980.B82 | Buckskin |
| 980.R8 | Russia leather |
| 980.S6 | Sole leather |
| 980.U6 | Upholstery leather |
| 980.U7 | Uppers |
| 980.V6 | Vici kid |
| 985 | Tanning materials. Tannins |
| 986 | Dyes and dyeing |
| | Boot and shoemaking |
| | For local see TS955+ |
| | Cf. HD9787 Economics |
| | Cf. TT678.5 Handicraft |
| 989 | Periodicals, societies, etc. |
| | Directories see TS945 |
| | Dictionaries see TS947 |
| 990 | General works |
| 1000 | History |
| | Cf. GT2130 Footwear (Costume) |
| 1005 | Machinery |
| 1007 | Finishing processes |
| 1015 | Hygienic shoes |
| | Cf. RD757.S45 Orthopedic shoes |
| 1017 | Athletic shoes |
| 1020 | General special |
| | Repairing |
| 1023.A1 | Periodicals, societies, etc. |
| 1023.A2-Z | General works |
| 1025 | Catalogs |

- Leather industries. Tanning -- Continued
 - Harness. Saddles
 - 1030 Periodicals, societies, etc.
 - 1032 General works
 - 1033 Catalogs
 - 1035 Saddlery hardware. Harness hardware
 - Including catalogs
 - 1040 Other kinds of leatherwork
 - For luggage see TS2301.L8
 - Cf. NK6200+ Leather (Decorative arts)
 - 1043 Leatherwork machinery. Catalogs
 - Imitation leathers
 - 1045 General works
 - 1047.A-Z Special, A-Z
 - 1050 Articles of horn, ivory, bone, etc.
 - Cf. NK5800+ Ivory (Decorative art)
 - Cf. NK6020+ Horn and bone (Decorative art)
 - Cf. TT288 Bone and horn craft
 - Furs
 - Cf. HD9944 Economics
 - Cf. TT525 Fur garments
 - 1060 Periodicals, societies, etc.
 - 1061 General works
 - 1063 Quality control, grading, etc.
 - 1066 Directories
 - 1067 Catalogs
 - 1070 Artificial fur
- Animal fibers see TS1545+
- Paper manufacture and trade
 - Cf. HD9820+ Economics
 - Cf. Z45 Writing instruments, including paper
 - Cf. Z112 Paleography materials
 - Cf. Z237 Watermarks
 - Cf. Z247 Practical printing
- 1080 Periodicals, societies, congresses, etc.
 - Exhibitions
 - 1083.A1 General works
 - 1083.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
 - 1085 Dictionaries and encyclopedias
 - 1088 Directories
 - History
 - 1090 General works
 - Ancient (Papyrus, etc.) see Z105+
 - 1091 Origins (Arab, Chinese, etc.)
 - Medieval
 - 1092 General works
 - 1093.A-Z Special countries, A-Z
 - Modern
 - 1094 General works
 - 1095.A-Z Special countries, A-Z
 - 1096.A-Z Special companies, A-Z
 - Cf. TS1210+ Catalogs
 - 1098.A-Z Biography, A-Z
 - General works
 - 1104 Early to 1800

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| | Paper manufacture and trade |
| | General works -- Continued |
| 1105 | 1800- |
| 1105.5 | Juvenile works |
| 1107 | Quality control |
| 1109 | General special |
| | Including testing, waste prevention, use of cornstalks, hemp, etc. |
| 1111 | Study and teaching. Schools |
| 1115 | Watermarks, trademarks, etc. (Modern) |
| | Cf. Z237 Watermarks of early printers |
| | Papermills and their management |
| 1116 | General works |
| 1116.2 | Water supply |
| 1116.6 | Paper handling. Transportation |
| | Machinery |
| 1117 | General works |
| 1117.6 | Automation |
| 1118.A-Z | Special manufacturing processes and equipment, A-Z |
| 1118.C34 | Calenders and calendering |
| | Coloring see TS1118.D9 |
| 1118.C8 | Cutting and cutting machinery |
| 1118.D42 | Deacidification |
| 1118.D7 | Drying and drying machinery |
| 1118.D9 | Dyes and dyeing. Coloring |
| 1118.F4 | Felts |
| 1118.F5 | Finishing. Coatings |
| | Folding see Z261 |
| 1118.P74 | Pressing |
| 1118.P85 | Pulp consistency transmitters |
| 1118.R4 | Refining |
| 1118.S5 | Sizing |
| 1118.S85 | Stock preparation |
| 1120 | Chemistry of paper manufacture |
| 1120.5 | Paper recycling |
| 1121 | Paper characteristics, properties, etc. |
| | Paper types. Special papers |
| 1124 | General works |
| 1124.5 | Handmade |
| 1125 | Papyrus |
| | Cf. Z45 Calligraphy materials |
| | Cf. Z112 History of writing |
| 1129 | Korean paper |
| 1130 | Japanese paper |
| (1130.2) | Marbled papers |
| | see Z271.3.M37 |
| | Paperboard |
| | Including cardboard, pasteboard |
| 1135 | General works |
| 1138 | Corrugated paperboard |
| 1155 | Papier mâché |
| | Cf. TT871 Papier-mâché craft |
| 1160 | Newsprint |
| 1165 | Parchment |
| 1167 | Reproduction paper |
| 1168 | Tissue paper |
| 1169 | Xuan zhi |

Paper manufacture and trade -- Continued

Woodpulp industry. Pulping processes

Cf. HD9750+ Economics

1171 Periodicals, societies, congresses, etc.

1172 Annuals. Directories

1173 United States

1174.A-Z Other countries, A-Z

1175 General works

1176 General special

1176.4.A-Z Special pulps, A-Z

1176.4.A8 Aspen

1176.4.B3 Bamboo

1176.4.E9 Eucalyptus

1176.4.H3 Hardwoods

1176.4.K44 Kenaf

1176.4.L3 Larch

1176.4.P5 Pine

1176.4.S7 Spruce

1176.4.T7 Tropical woods

1176.6.A-Z Special aspects, A-Z

1176.6.A5 Analysis of pulp

1176.6.B56 Biotechnology

1176.6.B6 Bleaching of pulp

1176.6.E7 Equipment and supplies

1176.6.E79 Ethanol pulping process

Kraft processes see TS1176.6.S9

1176.6.M4 Mechanical process

1176.6.S5 Smelt-water explosions

1176.6.S6 Soda process

1176.6.S9 Sulfate process

1176.6.S915 Sulfate waste liquor

1176.6.S92 Sulfite liquor

1176.6.S93 Sulfite process

1176.6.T4 Testing of pulp

1176.6.W36 Washing

1176.6.W6 Wood chips

1177 Articles manufactured from woodpulp

Cf. TS1155 Papier mâché

Artificial flowers see TT890+

Other articles of paper

Including bags, paper boxes, etc.

For folding and folding machinery see Z261

1200.A1 Periodicals, societies, etc.

1200.A2-Z General works

Catalogs of paper and pulp mill equipment and supplies

Including bags, paper boxes, etc.

1205.A1 Periodicals, societies, etc.

1205.A2-Z General works

Catalogs of paper manufacturers

Cf. TS1090+ History

1210 General works

1220 Sample books

Stationery

1228 Periodicals, societies, etc.

Directories see TS1088

| | |
|-------------|--|
| | Paper manufacture and trade |
| | Stationery -- Continued |
| (1229) | Biography |
| | see TS1098 |
| 1230 | General works |
| 1233 | General special |
| | Including history and antiquities |
| 1238 | Trade publications other than catalogs |
| 1240 | Catalogs |
| 1250 | Blank books |
| 1251 | Copybooks |
| 1260 | Ruling-machinery |
| | Pens |
| | Including catalogs |
| 1262 | General works |
| 1263 | Steel pens |
| 1265 | Gold pens |
| 1266 | Fountain pens |
| 1267 | Ball-point pens |
| 1268 | Pencils. Crayons |
| | Including mechanical pencils |
| | Textile industries |
| | Cf. HD9850+ Economics |
| | Cf. SB241+ Fiber plant culture |
| 1300 | Periodicals. Societies. Congresses |
| (1301) | Yearbooks |
| | see TS1300 |
| | Museums. Exhibitions |
| 1306.A1 | General works |
| 1306.A2-Z | By region or country, A-Z |
| | Subarrange each country by Table T4b |
| 1309 | Dictionaries and encyclopedias |
| 1312 | Directories |
| | History |
| 1315 | General works |
| 1316 | Ancient |
| 1317 | Medieval |
| 1318 | Modern |
| 1321-1424.5 | Special countries (Table T1b) |
| | Add country number in table to TS1300 |
| 1425.A-Z | Special corporations, mills, etc., A-Z |
| | Biography |
| 1439 | Collective |
| 1440.A-Z | Individual, A-Z |
| | General works |
| 1444 | Early to 1800 |
| 1445 | 1800- |
| 1446 | Elementary works |
| 1449 | General special |
| | Including microscopy, testing, safety measures, yarn |
| 1450 | Standardization |
| | Including thread numbers |
| 1450.5 | Production standards |
| 1451 | Handbooks, tables, etc. |
| 1463 | Vocational guidance |
| | Study and teaching |

- Textile industries
- Study and teaching -- Continued
- 1465 General works
- 1465.5 Problems, exercises, etc.
- By region or country
 - For individual institutions, see the state or country without further subdivision
 - United States
- 1471 General works
- 1472.A-Z By region or state, A-Z
- 1473.A-Z Other regions or countries, A-Z
- 1474 Information services
- 1474.5 Textile chemistry
 - Cf. TP890+ Bleaching, dyeing, printing of textiles (Chemical technology)
- 1475 Textile design
 - Cf. NK8800+ Decorative arts
 - Cf. TT851+ Textile decoration (Arts and crafts)
- Spinning
 - Including preliminary processes
 - Cf. TS1577 Cotton spinning
 - Cf. TS1628 Woolen spinning
 - Cf. TS1727 Hand spinning
- 1480 General works
- 1483 Machinery
- 1484 Spinning wheel, distaff, etc.
- Carding and combing
 - Cf. TS1578 Cotton carding
 - Cf. TS1628 Wool carding
 - Cf. TS1727 Flax spinning
- 1485 General works
- 1487 Machinery
- 1487.5 Twisting and twisting machinery
- 1487.7 Crimping
- Sizing
- 1488 General works
 - Cotton sizing see TS1580
- Weaving (Industrial)
 - Cf. TT848+ Hand weaving
- 1490 General works
- 1493 Machinery. Looms
- 1500 Jacquard weaving
 - Including jacquard looms
- 1510 Finishing
- 1511 Setting of textiles
- 1512 Coating of fabrics
- 1512.5 Electrostatic flocking
 - Cf. TS1828+ Nonwoven fabrics
- 1513 Crease-resisting process
- 1514 Drying. Drying equipment
- 1515 Mercerization
- 1517 Mothproofing
- 1520 Waterproofing
- Fireproofing see TP267
- 1525 Textile machinery (General)
- Textile mills (Design and construction) see TH4521
- Textile supplies
- 1529 General works

- Textile industries
 - Textile supplies -- Continued
 - 1530 Catalogs
 - 1535 Directories
 - Textile fibers
 - 1540 General works
 - Vegetable
 - 1541 General works
 - 1542 Cotton
 - 1543 Linen
 - 1544.A-Z Others, A-Z
 - 1544.A5 Ambary hemp. Kenaf
 - 1544.B3 Bast
 - 1544.C4 Cellulose
 - 1544.C6 Coconut fiber
 - 1544.H4 Hemp
 - Cf. TS1733 Hemp manufactures
 - 1544.M3 Kenaf see TS1544.A5
 - 1544.P55 Marine fiber
 - 1544.R2 Piña cloth
 - Ramie
 - Cf. SB259 Plant culture
 - 1544.R3 Rayon
 - Cf. TS1688.A1+ Rayon manufactures
 - Animal
 - 1545 General works
 - 1546 Silk
 - 1547 Wool
 - 1548.A-Z Others, A-Z
 - 1548.C3 Camel's hair
 - 1548.H6 Horsehair
 - 1548.M6 Mohair
 - 1548.V5 Vicuna
 - Synthetic textile fibers
 - 1548.2 Dictionaries and encyclopedias
 - 1548.5 General works
 - 1548.7.A-Z Special, A-Z
 - 1548.7.A25 Acrylic
 - 1548.7.P57 Polyamide
 - 1548.7.P58 Polyesters
 - 1548.7.P6 Polypropylene
 - 1548.7.P63 Polyurethanes
 - 1548.7.V5 Vinyl
 - Inorganic fibers
 - 1549.A1 General works
 - 1549.A3-Z Special, A-Z
 - 1549.A7 Asbestos
 - 1549.G5 Glass
 - 1549.G6 Gold
 - Cotton manufactures
 - Cf. HD9870+ Economics
 - Cf. SB245+ Cotton culture
- Periodicals, societies, etc.
 - 1550 Yearbooks
 - (1551) see TS1550
 - 1555 Directories

Textile industries

Cotton manufactures -- Continued

Exhibitions

1557.A1
1557.A2-Z

General works

By region or country, A-Z

Subarrange each country by Table T4b

History

1560

General works

1561

Ancient

1562

Medieval

1564

Modern

1565.A-Z

Special regions and countries, A-Z

1566.A-Z

Special companies. By name, A-Z

1570

Biography

1575

General works

1576

Elementary works

1577

Spinning

Including preliminary processes

1578

Carding. Combing. Lapping

1579

Weaving

1580

General special

Including finishing processes

1581

Handbooks, tables, calculations, etc.

1582

Cotton fabrics

1583

Cotton machinery

1585

Ginning, baling, etc.

1587

Cotton waste products

Cf. TP996.C75 Chemical technology

Cotton baling see TS1585

1590

Thread manufacture

Woolen manufactures

Cf. HD9890+ Economics

Cf. SF371+ Sheep culture

1600

Periodicals, societies, etc.

(1601)

Yearbooks

see TS1600

1603

Directories

Exhibitions

1606.A1

General works

1606.A2-Z

By region or country, A-Z

Subarrange each country by Table T4b

History

1610

General works

1611

Ancient

1612

Medieval

1614

Modern

1615.A-Z

Special regions or countries, A-Z

1620

Biography

1625

General works

1626

Elementary works

Spinning and other preliminary processes

1627

General works

1628

Carding. Combing

1629

Weaving

1630

General special

Including finishing processes, wool substitutes, etc.

| | |
|-----------|---|
| | Textile industries |
| | Woolen manufactures -- Continued |
| 1631 | Handbooks, tables, calculations, etc. |
| 1633 | Woolen and worsted machinery |
| 1634 | Catalogs of woolen goods |
| 1635 | Artificial wool |
| | Silk manufactures |
| | Cf. HD9910+ Economics |
| | Cf. SF541+ Sericulture |
| 1640 | Periodicals, societies, congresses, etc. |
| (1641) | Yearbooks |
| | see TS1640 |
| 1643 | Directories |
| | Exhibitions |
| 1646.A1 | General works |
| 1646.A2-Z | By region or country, A-Z |
| | Subarrange each country by Table T4b |
| | History |
| 1650 | General works |
| 1651 | Ancient |
| 1652 | Medieval |
| 1654 | Modern |
| 1655.A-Z | Special regions or countries, A-Z |
| 1660 | Biography |
| 1665 | General works |
| 1667 | Spinning and other preliminary processes |
| 1669 | General special |
| 1671 | Handbooks, tables, etc. |
| 1672 | Silk machinery |
| 1673 | Catalogs |
| 1675 | Velvets |
| 1676 | Brocade |
| 1677 | Crepe |
| 1680 | Plush |
| 1687 | Cords, trimmings, passementerie, gimp, braids, etc. |
| | Artificial silk. Rayon. Celanese |
| 1688.A1 | Periodicals, societies, etc. |
| 1688.A2 | Directories |
| 1688.A3-Z | General works |
| | Flax, hemp and jute industries |
| | Cf. TS1540+ Fibers |
| | Cf. TS1784+ Cordage |
| | Cf. TS1795 Twine |
| 1700 | Periodicals, societies, etc. |
| 1705 | General works |
| 1707 | Tables, calculations, etc. |
| | Flax industries. Linen, etc. |
| | Cf. HD9930 Economics |
| 1710 | History |
| 1715.A-Z | Special regions or countries, A-Z |
| 1725 | General works |
| 1727 | Spinning and other preliminaries |
| 1728 | Machinery |
| 1730 | Tables, calculations, etc. |
| 1731 | Catalogs of linen goods |
| 1733 | Hemp industries |

Textile industries

Flax, hemp and jute industries -- Continued

1735 Jute industries, burlap, etc.

Other fiber industries

1747.A-Z Special, A-Z

1747.C6 Coir

1747.D3 Date palm fiber

1747.E8 Esparto

1747.H6 Horsehair

1747.K3 Kapok

1747.O3 Oakum

1747.R2 Raffia

1747.R3 Ramie

1747.R6 Roselle

1747.S5 Sisal

1747.S7 Straw plaiting

Wire grass see TS915

1750 General special

Textile fabrics. Dry goods

Cf. TT490+ Clothing manufacture

1760 Periodicals, societies, etc.

1763 Directories

1765 General works

1767 General special

1768 Catalogs

1770.A-Z Special kinds of fabrics, A-Z

1770.I53 Industrial fabrics

1770.S54 Sheer fabrics

Knit goods, hosiery, etc. see TT679+

Carpets, rugs, etc.

Cf. NK2775+ Decorative art

1772 Periodicals, societies, etc.

1773 Directories

Exhibitions

1774.A1 General works

1774.A2-Z By region or country, A-Z

Subarrange each country by Table T4b

History

1774.4 General works

1774.6.A-Z Special regions or countries, A-Z

1775 General works

1775.5 General special

1776 Catalogs, etc.

Rugs

Cf. NK2775+ Art

1777 General works

1778 Oriental rugs

Cf. NK2808+ Art

1779.A-Z Other floor coverings, A-Z

1779.G7 Grass rugs

1779.L5 Linoleum

1779.M2 Matting. Straw, etc.

1779.O5 Oilcloth

1779.5 Carpet measuring, cutting, laying, etc.

| TS | MANUFACTURES | TS |
|-----------|---|----|
| | Textile industries -- Continued | |
| 1780 | Tapestry | |
| | Cf. NK2975+ Art | |
| | Cf. TT849 Hand weaving | |
| 1781 | Miscellaneous textile articles and products | |
| | Including bagging, shawls, towels, etc. | |
| | For artificial fur see TS1070 | |
| | For flags see TS2301.F6 | |
| 1782 | Lace (Machine made) | |
| | Cf. HD9933 Trade | |
| | Cf. NK9400+ Decorative art | |
| | Cf. TT800+ Needlework | |
| 1782.5 | Braid (Machine made) | |
| 1783 | Embroidery (Machine made) | |
| | Cf. NK9200+ Decorative art | |
| | Cf. TT769+ Needlework | |
| | Miscellaneous fiber products | |
| | Cordage | |
| 1784 | Periodicals, societies, etc. | |
| 1784.5 | Directories | |
| 1785 | General works | |
| 1787 | Wire rope | |
| 1792 | Sennit | |
| 1795 | Twine | |
| (1825) | Felt | |
| | see TS1830.F44 | |
| | Nonwoven fabrics | |
| 1828 | General works | |
| 1830.A-Z | By type of nonwoven fabric, A-Z | |
| 1830.F44 | Felt. Felting | |
| 1830.N44 | Needlepunch | |
| 1850 | Other fiber products | |
| 1860 | Tent and awning making | |
| 1865 | Umbrellas and parasols | |
| | Rubber industry | |
| | Cf. HD9161 Economics | |
| | Cf. SB289+ Agriculture | |
| 1870 | Periodicals, societies, etc. | |
| 1871 | Congresses | |
| | Exhibitions | |
| 1872.A1 | General works | |
| 1872.A2-Z | By region or country, A-Z | |
| | Subarrange each country by Table T4b | |
| 1875 | Dictionaries and encyclopedias | |
| 1877 | Directories | |
| | History | |
| 1880 | General works | |
| 1885.A-Z | Special countries, A-Z | |
| 1890 | General works | |
| 1891 | Vulcanizing | |
| 1891.5 | Machinery | |
| 1892 | General special. Examination, testing, etc. | |
| 1893 | Catalogs and other trade publications | |
| 1910 | Rubber boots and shoes | |
| 1912 | Rubber tires | |

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| | Rubber industry -- Continued |
| 1920 | Other articles of rubber |
| | Including hand stamps, rubber bands, tubes, etc. |
| 1925 | Synthetic rubber. Elastomers |
| 1927.A-Z | Special, A-Z |
| 1927.C92 | Cyclized rubber |
| 1927.E86 | Ethylene-propylene rubber |
| 1927.S55 | Silicone rubber |
| 1930 | Gutta-percha |
| 1935 | Balata |
| | Miscellaneous industries |
| | Animal products |
| | Cf. SK283.8 Field dressing and skinning of game |
| 1950 | Periodicals, societies, etc. |
| 1953 | Dictionaries and encyclopedias |
| 1955 | General works |
| | Butchering. Slaughterhouses. Meat curing |
| | Class here technical works only |
| | For Judaism see BM720.S6+ |
| | Cf. HD9410+ Animal industry |
| | Cf. RA578.A6 Slaughterhouses |
| | Biography |
| 1959 | Collective |
| 1959.5.A-Z | Individual, A-Z |
| 1960 | General works |
| 1962 | Minor works |
| | Special countries |
| | United States |
| 1963 | General works |
| 1964.A-.W | States, A-W |
| 1965.A-Z | Cities, A-Z |
| 1966.A-Z | Other countries, A-Z |
| 1967.A-Z | Other cities, A-Z |
| 1968 | Poultry processing |
| | Fish processing see SH334.9+ |
| | Furs see TS1060+ |
| | Leather see TS940+ |
| | Meat-packing industries |
| | Cf. HD9410+ Economics |
| | Cf. TS2284+ Pet food industry |
| 1970 | General works |
| 1971.A-Z | By region or country, A-Z |
| | Subarrange each country by Table T4a |
| 1973 | Packinghouse equipment, etc. |
| 1974.A-Z | Special topics, A-Z |
| 1974.B3 | Bacon |
| 1974.C67 | Corned beef |
| 1974.F5 | Flavoring, seasoning, etc. |
| 1974.S3 | Sausages |
| 1975 | Meat inspection |
| | Lard, tallow, etc. |
| | Cf. TP669+ Oils, fats, and waxes |
| 1980 | General works |
| 1981 | Rendering apparatus |
| 1982 | Bone products |

Miscellaneous industries -- Continued

- Carriage and wagonmaking
 - Including sleighs and sleds
 - Cf. HD9709.5 Economics
- 2001 Periodicals, societies, etc.
- Exhibitions. Museums
- 2003.A1 General works
- 2003.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 2005 Directories
- 2010 History
- 2020 General works
- 2025 General special
- Carriage painting
- 2030 General works
- 2032 Scrolls and designs for carriage painters
- 2033 Catalogs of carriagemakers
- 2035 Carriage hardware
- Automobiles see TL 1+
- Cereals and grain. Milling industry
 - Including flour
 - Cf. HD9056 Economics
- 2120 Periodicals, societies, etc.
- Exhibitions
- 2123.A1 General works
- 2123.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- 2129 Directories
- History
- 2130 General works
- 2135.A-Z By region or country, A-Z
 - Under each country:*
 - .x General works
 - .x2A-.x2Z By state, province, etc., A-Z
- General works
- 2144 Early to 1800
- 2145 1800-
- 2149 General special
 - Including moisture in grain
- 2155 Catalogs
- Cereal products see TP434+
- Feeds and feed mills see TS2284+
- 2159.A-Z Milling and processing of individual cereals, A-Z
- 2159.C7 Corn
- 2159.R5 Rice
- 2159.S65 Sorghum
- Wheat see TS2120+
- 2160 Gloves
 - Cf. HD9947 Economics
- Hats
 - Cf. HD9948 Economics
 - Cf. TT650+ Millinery
- 2180 Periodicals, societies, etc.
- Exhibitions
- 2181.A1 General works

Miscellaneous industries

Hats

Exhibitions -- Continued

2181.A2-Z

By region or country, A-Z

Subarrange each country by Table T4b

2182

Directories

2185

General works

2190

General special

2193

Renovating, cleaning, etc.

Tobacco industry

Cf. HD9130+ Economics

2220

Periodicals, societies, etc.

2225

Dictionaries and encyclopedias

2228

Directories

History

2230

General works

2234

Modern

2235.A-Z

Special places, A-Z

2240

General works

2249

General special

Including machinery, curing, testing, facts for smokers, enjoyment of smoking

2251

Tables, calculations, etc.

2255

Nicotine (Preparation, use, etc.)

2260

Cigars and cigarettes

2270

Pipes for smoking

2280

Smoking paraphernalia

Including lighters

2283

Catalogs of cigars, smoking paraphernalia, etc.

Animal feeds and feed mills. Pet food industry

Cf. SF94.5+ Animal nutrition

Cf. SF414 Pet feeding

2284

Periodicals, societies, etc.

2285

Congresses

2286

General works

2286.5

General special

2287

Patents

2288.A-Z

Special foods. Foods for special animals, A-Z

2288.C36

Cat food

2288.C45

Cereals

2288.D63

Dog food

2288.M4

Meat

2301.A-Z

Other industries, A-Z

Class here primarily catalogs of wares, especially articles not made of any one material

Audiovisual equipment

2301.A7

General works

Phonographs see TS2301.P3

Sound recording instruments see TS2301.S6

Baggage see TS2301.L8

2301.B4

Beads

Cf. TT860 Beadwork

2301.B5

Belts

2301.B8

Brushes and brooms

2301.B9

Buttons

2301.C3

Canes

2301.C4

Catgut

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| | Miscellaneous industries |
| | Other industries, A-Z -- Continued |
| 2301.C5 | Church supplies |
| | Cf. NK1657 Trade catalogs, etc. |
| 2301.C75 | Combs |
| | Containers see TS195+ |
| 2301.D4 | Decalcomania |
| | Dolls see TS2301.T7 |
| 2301.F4 | Feathers |
| 2301.F6 | Flags, banners, etc. |
| 2301.H7 | Hose |
| | Cf. TH9380 Firehose |
| 2301.I6 | Insignia |
| 2301.I8 | Isinglass |
| 2301.L8 | Luggage |
| 2301.M3 | Marking devices |
| (2301.M8) | Monuments, tombstones, tables, etc. |
| | see TS788 |
| 2301.N5 | Notions |
| 2301.N55 | Novelties |
| 2301.P2 | Page turners |
| 2301.P24 | Palm products |
| 2301.P3 | Phonographs |
| 2301.P5 | Pins and needles |
| 2301.S5 | Skates |
| 2301.S6 | Sound recording instruments |
| | Cf. TK7881.4+ Electronic sound systems |
| | Cf. TS2301.P3 Phonographs |
| 2301.S7 | Sporting goods |
| 2301.T5 | Time stamps |
| 2301.T7 | Toys, etc. |
| | Cf. GV1218.5+ Games and amusements |
| | Cf. NK4891.3+ Dolls and dollhouses (Decorative arts) |
| | Cf. NK9509+ Toys (Decorative arts) |
| | Cf. TT174+ Handicrafts |
| 2301.T9 | Transfer pictures, etc. |
| 2301.U5 | Undertakers' supplies, etc. |
| 2301.W3 | Wax figures |
| 2301.W5 | Window shades |

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| | Handicrafts. Arts and crafts |
| | Including mechanic trades |
| | Cf. NK1+ Decorative arts |
| | Cf. NK1135+ Arts and crafts movements |
| | Cf. TH5011+ Building trades |
| | Cf. TP1+ Industrial products (Chemical technology) |
| | Cf. TS1+ Manufactures |
| 1 | Periodicals, societies, etc. |
| | Exhibitions. Museums |
| 6.A1 | General works |
| 6.A2-Z | By region or country, A-Z |
| | Subarrange each country by Table T4b |
| 7 | Collected works (nonserial) |
| 9 | Dictionaries and encyclopedias |
| | Communication of handicraft information |
| 10 | General works |
| 11 | Computer network resources |
| | Including the Internet |
| 12 | Directories |
| 14 | Philosophy. Theory. Relation to other topics |
| 15-127 | History and country divisions (Table T1) |
| | Add country number in table to TT0 |
| | Class here general works on the crafts as practiced in particular regions or countries. Also class here manuals on how to duplicate craft articles of particular regions or countries, including craft articles of particular ethnic groups. For example, class manuals on duplicating crafts of the Indians of North America in TT22 |
| | For ethnological works on the crafts as practiced by the ethnic groups of particular regions, see GN575+ or the class numbers for particular groups in classes D-F |
| | For ethnological works about crafts of North American Indians, see E98.I5 |
| | Biography |
| 139 | Collective |
| 140.A-Z | Individual, A-Z |
| | General works |
| 144 | Early to 1800 |
| 145 | 1800- |
| 149 | General special |
| 150 | Study and teaching |
| 151 | Mending and repairing |
| | Cf. NK4233 Ceramics |
| | Cf. TH4817+ Home maintenance and repair |
| | Cf. TX323 Care of the home |
| 152 | Workshops: Planning and maintenance |
| | Workshop practice |
| | Including use of workshop tools |
| 153 | General works |
| 153.5 | Power tools |
| 153.7 | Craft materials and supplies |
| | Models and modelmaking |
| | Cf. TT178 Miniature crafts |
| 154 | General works |
| 154.5 | Radio control systems |
| 155 | Handbooks, manuals, etc. |

- 157 Special crafts treated collectively
 Including general works on craft projects and items to make
 Cf. SF413.5 Craft items for pets
 Cf. TT180+ Special crafts, by material
 Cf. TT699+ Textile arts and crafts
 Cf. TT855+ Decorative crafts
 Juvenile works. Projects for boys
 Including projects for both girls and boys
 Cf. TT171 Handicraft for girls
- 159 Periodicals, societies, etc.
- 160 General works
 Manual training. Industrial arts training. School shops
 Cf. LB1594+ Industrial arts training in elementary schools
 Cf. LC1081+ Industrial education (Theory)
 Cf. LC2780.5 Industrial education of blacks and African Americans
 Cf. T61+ Technology - Study and teaching
- 161 Periodicals, societies, etc.
 Exhibitions
- 162.A1 General works
 162.A2-Z By region or country, A-Z
 Subarrange each country by Table T4b
- 163 Directories
 165 Textbooks
 166.A-Z Special countries, A-Z
 167.A-Z Special cities, A-Z
 Including special schools
- Teaching methods
- 168 General works
 169 General special
- School shops
- 170 General works
 170.4 Safety measures
 170.7 Equipment and supplies
 Including catalogs
- 171 Handicrafts for girls
 Articles for children
 Cf. TT197.5.C5 Children's furniture
 Toys
 Cf. GV1218.5+ Games and amusements
 Cf. LB1029.T6 Educational toys
 Cf. NK9509+ Decorative arts
 Cf. TS2301.T7 Toy manufacture
- 174 General works
 174.3 Soft toys
 174.5.A-Z Other special, A-Z
 174.5.P3 Paper toys
 174.5.S35 Scooters, skateboards, etc.
 174.5.V43 Vehicles
 174.5.W6 Wooden toys
 174.7 Puppets
 For general works on puppetry, including manipulation of puppets, puppet plays, etc. see
 PN1972+

Articles for children -- Continued

Dolls

Including paper dolls

Cf. GV1218.5+ Games and amusements

Cf. NK4891.3+ Decorative arts

Cf. TS2301.T7 Doll manufacture

175

General works

175.3

Dollhouses

175.5

Doll furniture

175.7

Doll clothes

176

Playground equipment

Playhouses see TH4967

178

Miniature craft

Cf. TT154+ Models and modelmaking

Woodworking

Cf. TH5601+ Carpentry and joinery

Cf. TS840+ Manufactures of wood

180

General works

185

Elementary works, outline, syllabi, etc.

Including amateurs' manuals

185.5

Woodshops

186

Tools and supplies

Cf. TH5618 Carpentry tools

Sloyd

187

General works

Special schools see TT167.A+

188

Models

189

Balsa craft

190

Bamboo work

190.5

Cork craft

190.6

Scrollwork

Including jigsaw work, boxes, and other articles made with scroll saws

For fretwork see NK9930

190.8

Wood bending

191

Plywood working

192

Marquetry

Furniture

Cf. TP1185.F8 Plastic furniture manufacture

Cf. TS879.2+ Furniture manufacture

Cf. TT175.5 Doll furniture

Cf. TT213 Metal furniture

Cf. TT297.5 Plastic furniture craft

194

General works

195

Amateurs' manuals

196

Furniture design. Drawings

197

Box furniture. Cabinetwork

197.5.A-Z

Special, A-Z

197.5.B3

Bars

197.5.B4

Bedroom furniture

197.5.B6

Bookcases

197.5.B68

Boxes

197.5.B8

Built-in furniture

197.5.C45

Chairs

197.5.C5

Children's furniture

197.5.C62

Coffins

197.5.C65

Computer furniture

- Woodworking
 - Furniture
 - Special, A-Z -- Continued
 - 197.5.C68 Countertops
 - 197.5.D4 Desks
 - 197.5.D5 Dining room furniture
 - 197.5.E57 Entertainment centers
 - 197.5.K57 Kitchen cabinets, kitchen furniture, etc.
 - 197.5.L34 Lamps. Lighting devices
 - Including candlesticks, chandeliers, sconces, etc.
 - Cf. TK9921 Electricity for amateurs
 - Cf. TT897.2 Decorative crafts
 - Lighting devices see TT197.5.L34
 - 197.5.L5 Living room furniture
 - 197.5.L6 Loudspeaker cabinets
 - 197.5.O9 Outdoor furniture
 - 197.5.T3 Tables
 - 197.5.T65 Toolboxes
 - For wooden boxes in general see TT197.5.B68
 - 197.5.W6 Workbenches
 - 197.7 Wicker furniture
 - 197.8 Rattan furniture
 - 198 Upholstering
 - 199 Repairing. Restoring
 - 199.4 Finishing. Refinishing
 - Carving and whittling
 - Cf. NK9700+ Decorative art
 - 199.7 General works
 - 199.75 Decoys
 - Including painting
 - 199.8 Pyrography. Woodburning
 - Cf. NK8600+ Decorative art
 - 200 General special
 - Including rustic works
 - Picture framing see N8550+
 - Wood staining see TT345
 - Lathework. Turning
 - Cf. TJ1215+ Machine tools
 - Cf. TS546 Watchmakers' lathes
 - Cf. TT207 Metal turning
 - 201 General works
 - 202 Elementary textbooks of woodturning
 - 203 Ornamental, geometric, eccentric, etc.
 - 203.5 Routing. Routers
 - Metalworking
 - Cf. NK6400+ Decorative art
 - Cf. TS720+ Precious metals. Jewelry
 - 205.A1 Periodicals
 - 205.A2-Z General works
 - 206 Metal spinning
 - 207 Metal turning
 - 209 Milling
 - 211 Welding
 - Cf. TK4661 Electric welding
 - Cf. TS227+ Manufacturing processes
 - 212 Jewelry craft

- Metalworking -- Continued
- 213 Other special metal products (not A-Z)
 - Including home furnishings in metal
- 213.6 Nail craft
- 214 Scrapmetal craft
- 214.3 Wire craft
- Ironworking. Forging
 - Cf. TS225+ Manufacturing processes
- 215 General works
- Blacksmithing
 - Cf. SF907+ Horseshoeing
- 218 Periodicals, societies, etc.
- 220 General works
- 221 Amateurs' manuals
- 223 Tables, calculations, etc.
- 224 Equipment and supplies
- 240 Bent iron work. Wrought-iron work
 - Cf. NK8200+ Decorative art
- 242 Aluminum work. Aluminum foil craft
- 250 Copperwork
 - Cf. NK8100+ Decorative art
- 265 Leadwork
 - Cf. NK8350+ Decorative art
- Tinwork. Tin can craft
 - Cf. NK8425 Decorative art
 - Cf. TS600+ Metal manufactures
- 266 General works
- 266.3 Pewter craft
 - Cf. NK8400+ Decorative art
- 267 Soldering and brazing
 - Cf. TH6297 Plumbing
- Stencil cutting. Stencil work
 - Cf. NK8650+ Decorative stencil work
- 270 General works
- 273 Screen process work. Silk-screen printing
 - For serigraphy see NE2236+
 - Cf. TT852+ Textile printing
- 288 Bone and horn craft
 - Cf. NK6020+ Decorative art
 - Cf. TS1050 Manufactures
- 290 Leatherwork
 - Cf. NK6200+ Decorative art
 - Cf. TS1030+ Manufactures
 - Cf. TT666 Gloves
 - Cf. TT667 Handbags
- 293 Rock craft
 - Including flintknapping
- 295 Cement work, plaster craft, etc.
 - Including sand casting, earth casting, etc.
 - Cf. NB1190 Sculpture
- Plastic craft
 - Including use of plastic foam
- 297 General works
- 297.5 Plastic furniture
- 297.8 Fiberglass craft

- 298 Glass craft
 Including glass engraving, glass painting, glass constructions, glass forming, etc.
 Cf. NB1270.G4 Glass sculpture
 Cf. NE2690 Glass engravings
 Cf. NK5100+ Decorative arts
 Cf. TH8271+ Decoration in buildings
- Painting, varnishing, gilding, etc.
 Including industrial painting
 Cf. ND25+ Fine arts
 Cf. NK2140+ Decorative painting
 Cf. TP934+ Paint manufacture
 Cf. TS698 Metal painting
 Cf. TS2030+ Carriage painting
 Cf. TT851 Textile painting
- 300 Periodicals, societies, etc.
 301 Collected works (nonserial)
 303 Directories
 304 History
 General works
 305.A2 Early to 1800
 305.A3-Z 1800-
 305.3 Paint shops and equipment
 310 Paintmixing
 315 Spray painting
 317 Electrocoating. Electrophoretic deposition
 House painting. Painting of buildings and structures
 Cf. TH8001+ Decoration of buildings
- 320 General works
 323 Interior painting
 Including decorative finishes, frescoing, marbling, etc.
 Cf. TT385 Marbling on various materials
- 324 Painters' materials (General)
 Cf. TP934+ Paint manufacture
- Wood finishing
 Cf. TS886 Furniture manufacture
 Cf. TT199.4 Furniture in woodworking crafts
- 325 General works
 330 Graining and marbling
 340 Varnishing
 345 Wood staining
- Sign painting and lettering. Show cards
 Cf. NC1800+ Posters
- 360.A1 Periodicals, societies, etc.
 360.A6-Z General works
 365 House numbers
 370 Coloring of bone, stone, etc.
 378 Lacquering, crackle
 380 Gilding, bronzing, etc.
 Metal finishing
 Cf. TS653+ Industrial manufactures
- 382 General works
 382.2 Coloring
 382.4 Painting and lacquering
 382.6 Enameling
 Including cloisonné and champlevé
 Cf. NK4997+ Decorative arts

- Painting, varnishing, gilding, etc.
- 382.8 Metal finishing -- Continued
- 385 Gilding, bronzing, silvering
- Decorative painting on various materials. Tole painting. Marbling
 - Cf. NK5312 Folk art in the United States
 - Cf. NK5313+ Folk art in other countries
 - Cf. TT323 Marbling (Interior painting)
- 386 Felt marker decoration
- Soft home furnishings
 - Cf. TT198 Upholstering
 - Cf. TT849 Tapestry
 - Cf. TT850 Rugs, carpets, etc.
- 387 General works
- 390 Curtain making. Drapes
- 395 Slipcovers
- Bedding
 - Cf. TX315 Home furnishings
- 399 General works
- 403 Bedspreads
 - For quilts see TT835+
- 405 Blankets
- 406 Sheets
- 408 Pillowcases
- 410 Pillows and cushions
- Clothing manufacture
 - Including the garment industry
- 490 Periodicals, societies, etc.
- 494 Dictionaries and encyclopedias
- 495 Directories
- 496.A-Z By region or country, A-Z
 - Subarrange each country by Table T4a
- 497 General works
- 498 Clothing factories
 - Cf. TH4522 Building construction
- 499 Tables, calculations, etc.
- Dressmaking and women's tailoring. Fashion
 - Cf. GT500+ History of dress and costume
 - Cf. NK4700+ Decorative arts
 - Cf. TR679 Fashion photography
- 500.A1 History and criticism of periodicals
- 500.A2-Z Periodicals and societies. Fashion magazines
 - Cf. PN4784.F33 Journalism
- 502 Fashion shows, exhibitions, etc.
- 503 Dictionaries and encyclopedias
- Directories see TT495
- 503.5 Fashion writing
- 504 History of dressmaking and tailoring
- Special countries
 - United States
 - Other countries, A-Z
- 504.4
- 504.6.A-Z
- Biography
 - Collective
 - Individual, A-Z
 - e.g.
 - Poiret
 - Worth
- 505.A1
- 505.A2-Z
- 505.P6
- 505.W6

- Clothing manufacture
- Dressmaking and women's tailoring. Fashion -- Continued
- 506 Pictorial works
- 507 Art of dress. Theory. Aesthetics. Costume design
- 508 Study and teaching
- 509 Fashion drawing
- General works
- 510 Early to 1800
- 1800-
- 515 General works
- 518 Textbooks
- 519 Addresses, essays, lectures
- Women's tailoring
- 519.5 General works
- 520 Patternmaking and design
- Including cutting, drafting, measuring and grading
- 522 Blank forms
- 523 Dress forms
- 524 Leather garments
- 525 Fur garments
- 530 Coats and capes
- 535 Jackets
- 540 Skirts
- 542 Slacks. Trousers
- For men's slacks, or men's and women's slacks see TT605
- 545 Blouses
- 546 Smocks
- Cf. TT840.S66 Smocking
- 546.5 Aprons
- 547 Maternity clothes
- 550 Alterations. Restyling
- 552 Trimming
- Catalogs and pricelists
- 555 General works
- 556 Catalogs of patterns
- For catalogs issued periodically see TT500+
- 557 Special fabrics and materials
- Including buttons, zippers, lining
- 560 General special
- 562 Clothing for girls
- 565 Dress reform
- Tailoring. Men's clothing
- Periodicals, societies, etc.
- 570 Tailoring
- 572 Furnishing goods, etc.
- Directories see TT495
- 574 Dictionaries and encyclopedias
- Biography see TT505.A1+
- Tailoring
- General works
- 575 Early to 1800
- 580 1800-
- 583 Repairing, pressing, etc.
- 585 General special
- 590 Patternmaking and design
- Including cutting, drafting, measuring, and grading

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| | Clothing manufacture |
| | Tailoring. Men's clothing |
| | Tailoring -- Continued |
| 593 | Study and teaching |
| 595 | Coats |
| 600 | Overcoats |
| 603 | Sleeves |
| 605 | Trousers. Slacks |
| 610 | Breeches |
| 612 | Shirts |
| 615 | Vests |
| 616 | Neckties |
| 617 | Men's fashions |
| 618 | Correct dress |
| | Catalogs and pricelists |
| 620 | General works |
| 625 | Uniforms |
| 626 | Livery |
| 627 | Furnishings |
| 628 | Sample books |
| 630 | Clothing for boys |
| 633 | Costumes for special occasions |
| | Children's clothing |
| | Cf. TT562 Clothing for girls |
| 635 | General works |
| 637 | Baby clothes. Layettees |
| 640 | Patterns, etc. |
| 645 | Catalogs and pricelists |
| 647 | Ecclesiastical vestments |
| | Cf. BV167 Religion (General) |
| | Cf. BX1925 Catholic Church |
| | Cf. BX5180 Church of England |
| | Cf. NK4850 Art industries |
| 648 | Clothing for people with disabilities |
| 649 | Other special types of clothing |
| | Including work clothes, sport clothes |
| | Dress accessories |
| 649.8 | General works |
| | Millinery |
| | Cf. TS2180+ Hats |
| 650 | Periodicals, societies, etc. |
| | Biography |
| 653.A1 | Collective |
| 653.A2-Z | Individual, A-Z |
| 655 | General works |
| 657 | General special |
| 660 | Illustrations and styles |
| 665 | Catalogs and pricelists |
| 666 | Gloves |
| | Cf. TS2160 Glove industry |
| 667 | Handbags. Tote bags |
| 667.5 | Kerchiefs. Bandannas |
| 668 | Belts |
| | Underwear. Lingerie |
| 669 | Periodicals, societies, etc. |
| 670 | General works |

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| | Clothing manufacture |
| | Underwear. Lingerie -- Continued |
| | Special |
| 675 | Undershirts |
| 677 | Foundation garments |
| | Including corsets, girdles, brassieres, etc. |
| 678 | Other special |
| 678.5 | Footwear |
| | Cf. TS989+ Boot and shoemaking |
| | Knit goods, hosiery, sweaters, etc. Machine knitting |
| | Cf. TS2160 Gloves |
| | Cf. TT819+ Hand knitting and crocheting |
| 679 | Periodicals, societies, etc. |
| 679.5 | Dictionaries and encyclopedias |
| 680 | General works |
| 681 | Hosiery |
| 682 | Other special |
| 683 | Trade publications |
| 685 | Knitting and crocheting machinery |
| 687 | Domestic machines |
| 688 | Knit goods specifications |
| 689 | Warp knitting |
| 690 | General special |
| 695 | Directories |
| | Home arts. Homecrafts |
| | Including home arts for women |
| | Cf. GT480+ Manners and customs |
| 697 | Periodicals, societies, etc. |
| 698 | General works |
| | Textile arts and crafts |
| | Cf. TT387+ Soft home furnishings |
| | Cf. TT490+ Clothing manufacture |
| | Cf. TT925 Soft sculpture |
| 699 | General works |
| | Sewing. Needlework |
| | Cf. TT845 Needlework tools |
| 700 | Periodicals, societies, etc. |
| 705 | General works |
| 708 | Study and teaching |
| 710 | Textbooks |
| 712 | Juvenile works |
| 713 | Sewing by machine |
| | Cf. TJ1501+ Sewing machine construction |
| 715 | General special |
| | Mending |
| 720 | General works |
| 730 | Darning |
| | Decorative needlework. Fancy work |
| | Cf. NK9100+ Decorative work |
| 740 | Periodicals, societies, etc. |
| 750 | General works |
| 751 | General special |
| | Patterns |
| 753 | General works |
| 755 | Stamping |
| 760 | Stitches |

Home arts. Homecrafts

Textile arts and crafts

Decorative needlework. Fancy work -- Continued

Embroidery

Cf. NK9200+ Decorative art

Cf. TS1783 Manufacture

769.A-Z

By region or country, A-Z

Subarrange each country by Table T4a

770

General works

770.5

Juvenile works

771

General patterns

772

Machine embroidery

773

Classes of designs

e.g. alphabets, birds, flowers

775

Articles embroidered

e.g. doilies, table covers

777

Materials

e.g. embroidery silk, gold thread

778.A-Z

Types of embroidery, A-Z

778.A87

Assisi

778.B5

Blackwork embroidery

778.B73

Brazilian dimensional embroidery

778.C24

Candlewicking

778.C3

Canvas embroidery

778.C63

Couching

778.C65

Counted thread embroidery

778.C7

Crewelwork

778.C76

Cross-stitch

778.F33

Fagoting

778.H43

Hedebo embroidery

778.H83

Huckaback

778.M47

Metal thread embroidery

778.S55

Shisha mirror embroidery

778.S64

Silk ribbon embroidery

778.S75

Stump work

778.W55

White work

779

Appliqué

Drawnwork

785

General works

Special kinds

787

Hardanger

791.A-Z

Other, A-Z

Lacemaking

Cf. NK9400+ Decorative art

Cf. TS1782 Machine-made lace

800

General works

805.A-Z

Special laces, A-Z

805.B36

Battenberg lace

805.B63

Bobbin lace

805.H34

Hairpin lace

805.I74

Irish crochet lace

805.K54

Knitted lace

805.N43

Needlepoint lace

810

Lace craft

- Home arts. Homecrafts
 - Textile arts and crafts
 - Decorative needlework. Fancy work -- Continued
 - Knitting and crocheting
 - For bead crochet see TT861.3
 - Cf. RM735.7.K54 Therapeutic use
 - Cf. TT679+ Machine knitting
 - 819.A-Z By region or country, A-Z
 - Subarrange each country by Table T4a
 - 820 General works
 - 825 Shawls, sweaters, socks and other articles
 - 829 Toy-knitting. Spool-knitting for children
 - 833 Locker hooking
 - Class here general works on the technique of hooking. For works on making specific items, see the item, e.g. TT850 Rugs; TT850.2 Wall hangings
 - Cf. TT850 Rugs
 - Quilting and patchwork
 - Including quilts, coverlets, etc. made by this technique
 - Cf. TT779 Appliqué
 - 835 General works
 - 836.A-Z Special patterns and techniques, A-Z
 - 836.T73 Trapunto
 - 840.A-Z Other kinds of fancy work, A-Z
 - 840.F33 Fabric folding
 - 840.M33 Macramé
 - 840.N48 Netting
 - 840.R66 Ropework
 - Including knots
 - 840.S66 Smocking
 - 840.S68 Sprang
 - 840.T38 Tatting
 - 845 Tools and supplies
 - Including catalogs
 - 847 Hand spinning
 - Including use of the spinning wheel
 - Cf. TS1480+ Industrial spinning
 - Hand weaving
 - Including hand weaving not requiring looms, e. g. card weaving
 - Cf. TS1490+ Industrial weaving
 - 848 General works
 - 848.5 Handlooms
 - 849 Tapestry
 - Cf. NK2975+ Decorative art
 - Cf. TH8481 Tapestrying (Wall decoration)
 - Cf. TS1780 Machine-made tapestry
 - 849.2 Hammocks
 - Cf. GN415.3.H35 Ethnology
 - Cf. TS1781 Textile manufacture
 - 849.5 Felt work
 - 849.7 Textile finishing
 - 850 Hand-made rugs, carpets, etc.
 - Including those made by hooking
 - 850.2 Flags. Banners. Wall hangings
 - 850.5 Ribbon work
 - Including paper ribbon work

Home arts. Homecrafts

Textile arts and crafts -- Continued

Textile decoration

Cf. NK9500+ Decorative arts

Cf. TP890+ Chemical industries

851

Textile painting

Cf. TT323 Marbling (Interior painting)

Textile printing. Block printing

852

General works

852.5

Batik

Cf. NK9503+ Decorative arts

852.6

Stencil printing

852.7

Transfer printing. Iron-on transfer work

Cf. NK9510 Art industries

Textile dyeing

Including the dyeing of garments

853

General works

853.5

Tie-dyeing

Dyes

854

General works

854.3

Natural

854.5

Synthetic

Decorative crafts

Cf. BM729.H35 Jewish handicraft

Cf. TT205+ Metal crafts

855

Periodicals, societies, etc.

857

General works

Beadwork

860

General works

Cf. NK3650+ Decorative art

Cf. TS2301.B4 Manufactures

Cf. TT890.2 Bead flowers

861.3

Bead crochet

862

Shellcraft

865

Sand craft

Cf. NB1270.S3 Sand sculpture

Cf. TT295 Sand casting

866

Wax craft

Cf. NK9580+ Wax modeling

Cf. TT894 Wax flowers

Printing

866.5

General works

867

Rubber stamp printing

868

Potato printing

869

Typewriter art

869.5

Computer art. Computer craft

Cf. N7433.8+ Visual arts

869.7

Tape craft

Paperwork

Including the use of cardboard, corrugated paper, etc.

Cf. TL778 Paper airplanes

Cf. TT175+ Paper dolls

Cf. TT850.5 Paper ribbon work

Cf. TT892 Paper flowers

870

General works

- Home arts. Homecrafts
 - Decorative crafts
 - Paperwork -- Continued
 - 870.5 Box craft
 - Including box making
 - 871 Papier-mâché craft
 - Cf. TS1155 Manufactures
 - 871.5 Gift wrapping
 - 872 Greeting card craft
 - Including making Christmas cards, birthday cards, etc.
 - 872.5 Origami
 - Vegetable-fiber work
 - 873 General works
 - 873.2 Banana craft
 - 873.5 Gourd craft
 - 874 Pine needle crafts
 - 874.5 Pine cone craft
 - 875 Raffia and bast work
 - Cf. LB1543 Primary education
 - 876 Straw work
 - 876.3 Grasswork
 - 876.5 Rattan work
 - Cf. TT197.8 Rattan furniture
 - 877 Rush work
 - 877.5 Palm frond weaving. Lauhala weaving. Vacoa weaving
 - 877.8 Water hyacinth craft
 - 878 Cornhusk craft
 - 879.A-Z Special articles, A-Z
 - 879.B3 Baskets
 - Cf. NK3649.5+ Decorative arts
 - Cf. TS910 Industrial basketmaking
 - 879.J3 Jackets for bottles, etc.
 - Wicker furniture see TT197.7
 - 880 Work in miscellaneous materials
 - Including felt, string, braid, rubber bands
 - Fancy articles
 - Artificial flowers
 - 890 General works
 - 890.2 Bead flowers
 - 890.3 Bread flowers
 - 890.4 Ceramic flowers
 - Fabric flowers
 - 890.5 General works
 - 890.7 Silk flowers
 - Cf. SB449.3.S44 Flower arrangement
 - 891 Feather flowers
 - 891.3 Glass flowers
 - 892 Paper flowers
 - 894 Wax flowers
 - 896 Artificial fruits
 - 896.3 Books. Altered books
 - 896.5 Candles
 - Cf. TP993 Chemical technology of candles
 - 896.55 Chessmen
 - Cf. NK4696 Decorative art

Home arts. Homecrafts

Decorative crafts

Fancy articles -- Continued

- 896.7 Decorated eggs. Eggshell craft
 - Cf. NK4900 Decorative art of Easter eggs
- 896.8 Decorative balls
- 896.9 Glass jars
- Jewelry see TT212
- 897 Lampshades
- 897.2 Lamps
 - Cf. TK9921 Electricity for amateurs
 - Cf. TT197.5.L34 Woodwork
- 898 Masks
 - For theatrical masks see PN2071.M37
- 898.2 Merry-go-round art
- 898.3 Mirrors
 - Cf. NK8440+ Decorative arts
- 899 Mobiles
 - Cf. NB1272 Sculpture
- 899.2 Picture frames
- 899.3 Pincushions
 - Cf. NK4660 Pincushion dolls
- 899.4 Potpourris (Scented floral mixtures)
- 899.45 Screens
- 899.5 Tassels
- 899.6 Vases
- 899.7 Windchimes
- 899.73 Door harps
- 899.74 Tabletop fountains
 - Cf. NK8724 Decorative arts
- Plant containers and container gardening equipment see SB418.4
- 899.75 Wreaths
 - Cf. SB449.5.W74 Flower arrangement
- 900.A-Z Decorations for special events, A-Z
- 900.C37 Carnival
- 900.C38 Chinese New Year
- 900.C4 Christmas
 - Cf. GT4988 Manners and customs
- 900.E2 Easter
- 900.F68 Fourth of July
- 900.H32 Halloween
- 900.H34 Hanukkah
- 900.H6 Holidays
- 900.K92 Kwanzaa
- 900.M68 Mother's Day
- New Year, Chinese see TT900.C38
- 900.P3 Parties
- 900.P74 Presidents' Day
- 900.S25 Saint Patrick's Day
- 900.T5 Thanksgiving
- 900.V34 Valentine's Day
- Other special techniques
- 910 Collage, assemblage, constructions, etc. in miscellaneous materials
 - Cf. N6494.A8 Assemblage (Art)
 - Cf. N6494.C6 Collage (Art)
 - Cf. TR685 Composite photography

| | |
|-----------|--|
| | Home arts. Homecrafts |
| | Decorative crafts |
| | Other special techniques -- Continued |
| 911 | Face painting (Handicrafts) |
| 912 | Rubbing craft |
| | Cf. NB1840+ Sculpture |
| | Cf. NC915.R8 Graphic arts |
| 916 | Modeling in clay, etc. |
| | Cf. NB1180 Sculpture |
| | Pottery craft |
| | Cf. NK3700+ Ceramics (Art industries) |
| | Cf. TP807+ Ceramic technology |
| | Cf. TT890.4 Ceramic flowers |
| 919 | Periodicals, societies, etc. |
| 919.5 | Dictionaries and encyclopedias |
| 919.7.A-Z | By region or country, A-Z |
| | Subarrange each country by Table T4a |
| 920 | General works |
| 921 | Juvenile works |
| | Equipment and supplies |
| 921.5 | General works |
| 922 | Glazes |
| 924 | Kilns |
| 925 | Soft sculpture |
| | Cf. NB1203 Sculpture |
| 926 | Balloon sculpture. Balloon decorations |
| 927 | Tile craft |
| | Hairdressing, barbering, beauty culture, cosmetology, etc. |
| | Including beauty shop practice |
| 950 | Periodicals. Societies. Collections |
| 951 | Dictionaries and encyclopedias |
| | Documents |
| | United States |
| 952 | General works |
| 953.A-.W | States, A-W |
| 954.A-Z | Other countries, A-Z |
| 954.5 | Directories |
| | Biography |
| 955.A1 | Collective |
| 955.A2-Z | Individual, A-Z |
| | General works |
| 956 | Before 1800 |
| 957 | 1800- |
| 958 | General special |
| 958.23 | Beauty culture as a profession |
| | Including vocational guidance |
| 958.3 | Nail care. Manicuring |
| | Class here works on nail care as practiced by professionals and beauty operators |
| | For nail care as practiced by individuals see RL94 |
| 958.5 | Skin care |
| | Class here works on skin care as practiced by beauty operators |
| | For skin care as practiced by individuals, see RL87 |
| 959 | Permanent makeup |
| 960 | Barbers' manuals |
| 963 | Hair styles for men |
| 964 | Shaving |

Hairdressing, barbering, beauty culture, cosmetology, etc. -- Continued

Shop management

- 965 General works
- Equipment and supplies
- 966 General works
- Catalogs see TT979
- 967 Razors
- 968 Other special
- 969 Materials
 - Including dyes, oils, soaps, etc.
- 970 Haircutting (General)
 - Cf. TT960 Barber's manuals
- 971 Study and teaching
- Hairdressing for women
- 972 General works
- 973 Hair tinting and bleaching
- Hairwork
- 975 Braids, wigs, toupees, etc.
 - Cf. PN2069 Theatrical wigs
- 976 Ornaments, jewelry, etc.
- 977 Recipes for barbers (for hair preparations)
- 979 Catalogs of equipment and supplies
- Laundry work
 - Cf. GT482 Laundering customs
 - Cf. TP932+ Dry cleaning
- 980 Periodicals, societies, etc.
- 983 Directories
- 985 General and domestic
- 990 Commercial. Steam-laundry work
- 991 Blueing and bleaching
- 993 Starching
- 995 Ironing
- 997 Materials. Machinery
- 998 General special
- 999 Catalogs, etc.

- Home economics
- 1 Periodicals, societies, etc.
- 5 Congresses
- Exhibitions. Museums
- 6.A1 General works
- 6.A2-Z By region or country, A-Z
 - Subarrange each country by Table T4b
- Collected works (nonserial)
- 7 Collections by several authors
- 8 Collected works of individual authors
- 9 Minor collections: Papers, essays, etc.
- 11 Dictionaries and encyclopedias
- 13 Theory. Philosophy
- History and antiquities
 - Including manners and customs, gastronomy, etc.
 - For modern works on gastronomy see TX631+
 - Cf. GT1+ Manners and customs
- 15 General works
- 16 Ancient
- 17 Medieval
- 18 17th-18th centuries
- 19 19th-20th centuries
- 21-127 Special countries (Table T1a)
 - Add country number in table to TX0
- Biography
- 139 Collective
- 140.A-Z Individual, A-Z
- General works
- 144 Early to 1800
- 145 1800-
 - Textbooks see TX167
- 147 General special
 - Including economics of daily life for men, institutional administration
- 148 Juvenile works
- 149 Household science (Chemistry, physics, etc.)
- 150 Home accidents and their prevention
- Pocketbooks, tables, receipts, etc.
 - Class here works that emphasize household economics
- 151 16th-18th century
- 19th century
- 153 American
- 154 English
- 155 French
- 156 German
- 157 Other (not A-Z)
- 20th century
- 158 American
- 159 English
- 160 French
- 161 German
- 162 Other (not A-Z)
- 21st century
- 162.2 American
- 162.3 English
- 162.4 French
- 162.5 German

- Pocketbooks, tables, receipts, etc.
- 21st century -- Continued
- 162.6 Other (not A-Z)
- 164 Home economics as a profession
- Study and teaching
- 165.A1 Periodicals, societies, etc.
- 165.A3-Z General works
- 167 Textbooks
- 170 Examinations, questions, etc.
- 170.7 Laboratory manuals
- 171-277 Special countries (Table T1a)
- Add country number in table to TX150
- Special schools
- 285.A-Z United States. By school, A-Z
- 286.A-Z Other countries. By school, A-Z
- 295 Essays, light literature, fiction, etc.
- Household apparatus and utensils
- Cf. TX656+ Kitchen utensils
- 298 General works
- 299 Catalogs
- The house
- Cf. NA7120 Domestic architecture (Popular works)
- Cf. TH4805+ House construction
- Cf. TX653+ Kitchens
- Cf. TX855+ Dining rooms
- 301 General works
- 303 General special
- Location
- 305 General works
- 307 Household moving
- 309 Arrangement
- Furnishing
- Cf. TT387+ Soft home furnishings (Handicraft)
- 311 General works
- 315 General special
- Including sheets and pillowcases
- (317) Decoration and ornament
- see NK1700+
- Administration
- 321 General works
- 323 Care of the house
- Cf. TH2528 Flooring
- Cf. TH4817+ Home maintenance and repair
- 324 Cleaning
- Including silver cleaning
- 325 Household pests
- Cf. RA639+ Insects and disease
- Cf. SB818+ Economic entomology
- Cf. SB992+ Noxious and useful animals
- Cf. TA423.7 Termite control
- Finance, budgets, bookkeeping, accounts
- For early works see TX15+
- Cf. HD6977+ Cost of living
- 326.A1 Periodicals. Societies. Serials
- 326.A3-Z General works
- Household employees

- The house
 - Administration
 - Household employees -- Continued
 - 331 General works
 - 333 General special. Morals, conduct, etc.
 - Biography
 - 334 Collective
 - 334.1.A-Z Individual, A-Z
 - Shopping. Consumer education
 - Including shopping guides and directories of discount and outlet stores
 - For economic aspects of discount and outlet stores see HF5429.2+
 - Cf. TX356 Shopping for food
 - 335 General works
 - 335.5 Juvenile works
 - By region or country
 - United States
 - 336 General works
 - 336.5.A-Z By region or state, A-Z
 - Subarrange each country by Table T4a
 - 337.A-Z Other regions or countries, A-Z
 - Subarrange each country by Table T4a
 - 339 Janitor service
 - Cf. LB3235 Schoolhouse service
 - Cf. TX957+ Apartment house service
 - 340 Clothing
 - Cf. TT490+ Clothing manufacture
 - Cf. TT700+ Sewing
 - Cf. TT980+ Laundry work
 - Nutrition. Foods and food supply
 - Cf. HD9000+ Provision trade
 - Cf. TP368+ Food processing industry
 - Cf. TP500+ Beverage industry
 - Cf. TS1950+ Butchering, packinghouse industries
 - Cf. TS1975 Meat inspection
 - Cf. TS2120+ Cereal and grain milling industry
 - Periodicals, societies, etc. Food research institutes
 - Cf. PN4784.F55 Journalism
 - 341 General periodicals
 - 343 Grocery trade periodicals
 - Periodicals relating to adulteration and inspection see TX501
 - 345 Congresses
 - Directories of grocers see HD9320+
 - Exhibitions. Pure food shows, etc.
 - 346.A1 General works
 - 346.A2-Z Special. By city, A-Z
 - Dictionaries and encyclopedias
 - Including dictionaries of cooking
 - 349 General works
 - 350 Bilingual and polyglot
 - Biography
 - 350.7 Collective
 - 350.8.A-Z Individual, A-Z
 - General works. Sources, supply, etc.
 - 351 Early to 1800
 - 353 1800-
 - 354 Textbooks

- Nutrition. Foods and food supply
 General works. Sources, supply, etc. -- Continued
- 354.5 Grocers' catalogs
 355 Popular works. Juvenile works
 Cf. TX149 Household science
 Cf. TX533 Food adulteration, etc.
- 355.5 Addresses, essays, lectures
 356 Shopping for food. Economy. Thrift
 357 General special
 Including dietitians, food economy in war time
- 359 Nutrition policy
 Prefer classification by country in TX360.A+
 Cf. HD9000.6 Food products industry
- Diet, food supply, nutrition policy of special countries
 By region or country, A-Z
 Under each country:
 .x *General works*
 .x2A-.x2Z *By state, province, etc., A-Z*
 .x3A-.x3Z *Special. By city, A-Z*
 e.g.
 United States
 General works
 By state, A-W
 By city, A-Z
 Developing countries
- 360.U6 Diet and nutrition of special classes and groups, A-Z
 360.U62A-.U62W African Americans
 360.U63A-.U63Z Aged. Older people
 360.5 Agricultural laborers
 361.A-Z Astronauts see TX361.S63
 361.A27 Athletes
 361.A3 Bodybuilders
 361.A4 Children
 361.A8 College students
 361.B64 Cyclists
 361.C5 Elementary school students
 361.C6 Executives
 361.C94 Farmers
 361.E43 Fishers
 361.E93 Greek Americans
 361.F37 Handicapped. People with disabilities
 361.F5 High school students
 361.G74 Hispanic Americans
 361.H35 Hmong Americans
 361.H53 Homeless
 361.H57 Infants see RJ216
 361.H62 Low-income groups see TX361.P66
 361.H65 Mexican Americans
 361.M39 Middle-aged persons
 361.M47 Middle school students
 361.M474 Migrant laborers
 361.M48 Miner
 361.M5 Older people see TX361.A3
 People with disabilities see TX361.H35
 361.P66 Poor. Low-income groups
 361.P74 Preschool children

Nutrition. Foods and food supply

Diet and nutrition of special classes and groups, A-Z -- Continued

361.R86

Runners

361.S58

Soccer players

361.S63

Space travelers. Astronauts

361.T44

Teenage girls

361.T45

Tennis players

Toddlers see RJ216

361.V47

Veterans

361.W55

Women

361.W6

Workers

361.W7

Working women

361.Y6

Youth

Study and teaching

364

General works

365.A-Z

Special schools, A-Z

367

Research

For food research institutes see TX341+

Markets see HF5469.7+

Grocery business see HD9320+

368

Street food

Class here general works on street food

369

Natural foods

370

Junk food. Convenience foods

Food of animal origin

Cf. TS1959+ Butchering, packinghouse industries, etc.

Cf. TS1975 Meat inspection

371

General works

373

Butchers' meats

375

Poultry and game

Cf. SF481+ Poultry culture

Dairy foods

Cf. SF221+ Dairying

377

General works

379

Milk

380

Yogurt

381

Butter

382

Cheese

383

Eggs

Cf. SF481+ Poultry culture

385

Fish

Cf. SH1+ Fisheries

387

Shellfish

Cf. SH365+ Fisheries

Cf. SH380+ Lobster fisheries

388.A-Z

Other natural products, A-Z

388.I5

Insects

388.T8

Turtles

388.W4

Whales

389

Prepared foods, meat extracts, etc.

Including trade publications

Vegetable foods

391

General works

Vegetarianism

Cf. BL65.V44 Religious aspects

Cf. TX837+ Cooking

- Nutrition. Foods and food supply
 - Vegetable foods
 - Vegetarianism -- Continued
 - Periodicals, societies, etc.
 - General works
 - Biography
 - Collective
 - Individual, A-Z
 - Cereals
 - General works
 - Bread
 - Pasta products
 - Prepared cereals
 - Cf. TP435.C4 Food processing industry
 - Flowers
 - Fruits
 - Nuts
 - Vegetables
 - General works
 - Special, A-Z
 - Peppers. Hot peppers
 - Potatoes
 - Soybeans and soybean products
 - Including soy sauce
 - Algae as food
 - Including marine algae
 - Condiments, spices, etc.
 - General works
 - Special, A-Z
 - Mayonnaise
 - Oils and fats, Edible
 - Pepper
 - Soy sauce
 - Turmeric
 - Baking powders, etc.
 - Beverages
 - Cf. TP620+ Chemical technology
 - General works
 - Tea, coffee, cocoa, etc.
 - Examination and analysis. Composition. Adulteration
 - For foods and public health see RA601+
 - For food processing see TP372.5+
 - For meat inspection see TS1975
 - Periodicals, societies, etc.
 - Including those relating to adulteration and inspection
 - Cf. TX341+ Nutrition
 - Congresses
 - For pure food congresses see HD9000.9.A+
 - History
 - Biography
 - Collective
 - Individual, A-Z
 - e.g.
 - Wiley, H. W.
 - General works
 - Popular works

- Nutrition. Foods and food supply
Examination and analysis. Composition. Adulteration -- Continued
- 535 General special. Pamphlets
537 Food standards, etc.
Analysis (Methods)
541 General works
542 Magnetic resonance imaging
543 Microscopic
544 Thermal
545 Chemical
546 Sensory evaluation
Spectrum analysis
547 General works
547.2.A-Z Special methods, A-Z
547.2.I53 Infrared spectroscopy
Chromatography
548 General works
548.2.A-Z Special methods, A-Z
548.2.G36 Gas
548.2.L55 Liquid
548.2.T48 Thin layer
549 Immunoassay
Dietary studies, food values, experiments, tests, etc.
Cf. RM214+ Therapeutics
Cf. TX341+ Food supply
Cf. TX361.A+ Foods for special classes
- 551 General works
552 Canned foods
552.15 Baked products
553.A-Z Special constituents, A-Z
553.A3 Additives
553.A5 Amino acids
553.A7 Antibiotics
553.A73 Antioxidants
553.A8 Ascorbic acid
553.C23 Calcium
553.C28 Carbohydrates
553.C3 Carotinoids
553.C43 Cholesterol
553.C45 Choline
553.E6 Enzymes
553.F53 Fibers
553.G47 Gluten
553.I75 Iron
553.L5 Lipids
553.M55 Minerals
553.P4 Pectic substances
553.P45 Phosphorus
553.P65 Polysaccharides
553.P7 Proteins
553.S65 Sodium
553.S8 Sugar
553.S85 Sulfur
553.T7 Trace elements
553.U5 Unsaturated fatty acids
553.V5 Vitamins

Nutrition. Foods and food supply
 Examination and analysis. Composition. Adulteration
 Dietary studies, food values, experiments, tests, etc.
 Special constituents, A-Z -- Continued

553.W3

Water

Special foods

Food of animal origin

555

General works

556.A-Z

Special, A-Z

556.B4

Beef

556.B8

Buffalo

556.C35

Camel meat

Dairy products see TX556.M5

556.E4

Eggs

556.G45

Gelatin

556.H8

Horsemeat

556.K36

Kangaroo meat

556.L3

Lamb

556.M4

Meat

556.M43

Meat, Precooked

556.M5

Milk and milk products

556.P6

Pigeons

556.P8

Pork

556.P9

Poultry

556.V4

Venison

556.5

Fish. Seafood

Vegetables, cereals, fruits, etc.

557

General works

558.A-Z

Special, A-Z

558.A3

Acorns

558.A6

Apples

558.B3

Bananas

558.B35

Barley

Bean curd see TX558.T57

558.B4

Beans

558.B6

Bran

(558.B7)

Bread

see TX560.B8

558.C2

Cabbage

558.C35

Cassava

558.C38

Chia

558.C4

Chickpea

558.C5

Citrus fruits

558.C54

Coca flour

558.C57

Corn. Cornmeal. Maize

558.C6

Cowpea

558.D3

Dasheen

558.D35

Dates

Flour see TX558.W5

558.F7

Fruit (General)

558.G6

Grapes

558.G67

Groats

558.H2

Hay

558.L4

Legumes (General)

558.L5

Lemon

558.L6

Logan blackberry

Nutrition. Foods and food supply
Examination and analysis. Composition. Adulteration
Dietary studies, food values, experiments, tests, etc.
Special foods

Vegetables, cereals, fruits, etc.

Special, A-Z -- Continued

Maize. Corn, cornmeal see TX558.C57

| | |
|---------|---------------------------|
| 558.M5 | Millet |
| 558.M9 | Mushrooms and other fungi |
| 558.N6 | Nori |
| 558.N8 | Nuts |
| 558.O3 | Oats |
| 558.O5 | Olives |
| 558.O7 | Oranges |
| 558.P3 | Peaches |
| 558.P35 | Peas |
| 558.P8 | Potatoes |
| 558.Q56 | Quinoa |
| 558.R4 | Rhubarb |
| 558.R5 | Rice |
| 558.R9 | Rye |
| 558.S6 | Sorghum |
| 558.S7 | Soybean |
| 558.S75 | Sprouts |
| 558.S8 | Starches |
| 558.S94 | Sweet potatoes |
| 558.T39 | Tempeh |
| 558.T57 | Tofu |
| 558.T6 | Tomatoes |
| 558.T7 | Triticale |
| 558.V4 | Vegetable juices |
| 558.W5 | Wheat. Flour |

Miscellaneous products

| | |
|---------|-----------------------------|
| 559 | General works |
| 560.A-Z | Special, A-Z |
| 560.A3 | Alcohol |
| 560.B8 | Bread |
| 560.C2 | Cacao |
| | Cocoa-butter see TP684.C2 |
| 560.C63 | Coffee |
| 560.C65 | Confectionery |
| 560.C7 | Cottonseed products |
| 560.D68 | Dough |
| 560.F3 | Fats (Animal and vegetable) |
| 560.F47 | Fermented food |
| 560.H7 | Honey |
| 560.M2 | Macaroni |
| 560.M3 | Maple sugar. Maple syrup |
| 560.M35 | Mate (Tea) |
| 560.N7 | Nut oils |
| 560.O3 | Oils (General) |
| 560.O4 | Olive oil |
| 560.P6 | Pollen |
| 560.S4 | Seed oils |
| 560.S9 | Sugar |
| 560.Y4 | Yeast |

Nutrition. Foods and food supply

Examination and analysis. Composition. Adulteration -- Continued

Adulterants and adulteration, impurities, etc.

Cf. QP501+ Physiological effects of chemicals

Cf. RA601+ Public hygiene - Foods

General works see TX531

563 Detection of adulterants

567 Microscopic analysis

569 Chemical analysis

Special adulterants and impurities

571.A-Z By classes, A-Z

Cf. TX599+ Preservatives

571.A58 Antibiotic residues

571.C7 Coloring matter

571.G3 Gases, Asphyxiating and poisonous

571.M48 Metals

571.P4 Pesticide residues

571.P63 Plastics. Urethanes

571.R3 Radioactivity

571.S65 Solvents

571.S9 Sweeteners, Artificial

Urethanes see TX571.P63

571.V48 Veterinary drug residues

571.X45 Xenobiotics

572.A-Z By chemical composition, A-Z

572.A6 Aluminum

572.A77 Arsenic

572.C24 Cadmium

572.C3 Calcium sulfate

572.H4 Heavy metals

572.L4 Lead

572.M4 Mercury

572.N5 Nitrates, nitrites

572.P65 Polychlorinated biphenyls

572.S79 Styrene

572.S9 Sulfurous acid

572.T6 Tin

Special foods

Including methods of analysis

583 Coffee

585 Tea

Milk see SF254.A1+

Spices

587 General works

588.A-Z Special, A-Z

589 Flavoring extracts

595.A-Z Other foods, A-Z

595.F47 Fish

595.F5 Flour

595.R37 Rape oil

595.T6 Tomatoes

Beverages

596 General works

597 Alcoholic beverages

Cf. TP612 Compounding

Nutrition. Foods and food supply -- Continued

Preservation and storage of foods in the home. Food handling in the home

Cf. HD9320+ Grocery trade
 Cf. RA601+ Public hygiene
 Cf. SB129+ Farm produce
 Cf. SF250.5+ Dairy products
 Cf. SH334.9+ Fishery products
 Cf. TP371.2+ Food processing industry
 Cf. TS1968 Poultry processing

- 599 Periodicals. Societies. Serials
- 600 Directories
- 601 General works
- 602 Study and teaching. Research
- 603 Canning
- Cold storage see TP372.2
- Chemical treatment. Preservatives see TP371.4+
- 609 Drying, smoking, etc.
 - Cf. TX835 Smoked foods cooking
- 610 Freezing
- Sterilization see TP371.35
- Radiation sterilization see TP371.8
- 612.A-Z Special foods and condiments, A-Z
 - 612.A6 Apples
 - 612.B4 Berries
 - 612.C5 Cherries
 - 612.C57 Citrus fruits
 - 612.E4 Eggs
 - 612.F5 Fish (General)
 - 612.F7 Fruit (General)
 - Game dressing and skinning see SK36.2
 - 612.J3 Jam (General)
 - 612.J4 Jelly (General)
 - 612.M37 Marmalade
 - 612.M4 Meat
 - 612.M8 Mushrooms
 - 612.T7 Tomatoes
 - 612.V4 Vegetables (General)
 - Cf. SB324.85 Storage for market
- Gastronomy, pleasures of the table, dining, etc.
 - Including food tourism
- 631 General works
- 633 American
- 635 English
- 637 French
- 639 German
- 641 Other (not A-Z)
- Cooking
 - Periodicals see TX1
 - Exhibitions. Museums see TX6.A1+
 - 642 Collectors and collecting. Collectibles
 - Dictionaries and encyclopedias see TX349+
 - Communication of cooking information
 - 643 General works
 - 644 Language. Authorship
 - 645 History
 - 648 Awards, prizes, etc. Competitions

Cooking -- Continued

Biography

Including works on cooks, food writers, etc.

649.A1

Collective

649.A2-Z

Individual, A-Z

650

Directories

For directories of restaurants, etc. see TX907+

General works

651

Treatises

Class here works emphasizing technique of cooking, with or without recipes

Cf. TX714 General recipe collections

652

General special

652.4

Vocational guidance

Cf. TX911.3.V62 Vocational guidance for the hospitality industry

652.5

Juvenile works

652.7

Minor works, tables, etc.

652.9

Essays, lectures, etc.

652.95

Molecular gastronomy

Kitchen

Class here works on kitchens, including history, construction, and kitchenware in general

For works on interior design, decoration, and plans for kitchens see NK2117.K5

653

General works

655

Arrangement

Equipment, appliances, utensils, etc.

Cf. NK6140 Kitchen collectibles

656

General works

657.A-Z

Special, A-Z

657.A66

Apple parers. Peelers

657.B34

Baking pans

657.C37

Cast-iron cookware

Chafing dishes see TX825

657.C67

Coffee making paraphernalia

657.C7

Cookers

657.C72

Cookie molds. Cookie cutters

Cookware

657.C74

General works

Baking pans see TX657.B34

Cast-iron cookware see TX657.C37

Kettles see TX657.K4

657.C76

Corkscrews

657.D6

Dishwashing machines

657.E35

Eggbeaters

Fireless cookers see TX831

657.F7

Fryers

657.I24

Ice cream scoops

657.K4

Kettles

657.K54

Knives

657.M85

Muffin pans

657.N87

Nutcrackers

Ovens

657.O57

Brick. Clay

657.O6

Gas

657.O64

Microwave

Peelers, Apple see TX657.A66

657.P47

Pestles

657.P6

Potato peeling machines

Cooking

Equipment, appliances, utensils, etc.

Special, A-Z -- Continued

657.S28

Spoons

Stoves and ranges

Cf. TS425 Stove manufacture

657.S3

General

657.S4

Coal

657.S5

Electric

657.S6

Gas

657.S7

Gasoline

657.S8

Oil

657.S9

Wood

657.T43

Tea making paraphernalia

Toasters

657.T58

Electric

657.T6

Gas

658

Catalogs of miscellaneous articles

Study and teaching

661

General works

663

Textbooks, etc.

Special schools

667

American

669.A-Z

Other countries, A-Z

Cooking processes

681

General works

683

Baking

685

Boiling

686

Braising

687

Broiling

Frying

689

General works

689.4

Sautéing

689.5

Stir frying

690

Roasting

690.7

Sous-vide

691

Steaming

693

Stewing. Cooking en casserole

Cookbooks

Early to 1800

703

American. Canadian

705

English

707

French

709

German

711

Italian

713

Other (not A-Z)

1800-

714

General recipe collections

Class here works consisting of collected recipes not primarily of a regional, ethnic, or international nature, nor using a specific ingredient or method of cooking, in which the technique of cooking is not emphasized

For treatises see TX651

For ethnic or regional cooking see TX714+

For international cooking see TX725.A1

Cooking

Cookbooks

1800- -- Continued

American

For French, German, etc., cookbooks published in America, see TX719, TX721, etc.

For Indian cooking see E98.F7

715

General works

715.2.A-Z

By style of cooking, A-Z

715.2.A47

African American cooking

715.2.C34

California style

Hawaiian style see TX724.5.H3

715.2.L68

Louisiana style

715.2.M53

Midwestern style

715.2.N48

New England style

715.2.P32

Pacific Northwest style

Pennsylvania Dutch style see TX721

715.2.S68

Southern style

715.2.S69

Southwestern style

715.2.W47

Western style

715.6

Canadian

715.8

Greenlandic

Latin American

716.A1

General works

716.A3-Z

By region or country, A-Z

717

English

717.2

Celtic

717.3

Scottish

717.5

Irish

717.7

Welsh

French

719

General works

719.2.A-Z

By style of cooking, A-Z

719.2.A45

Alsatian

719.2.A98

Auvergne

719.2.B74

Brittany

719.2.B87

Burgundy

719.2.C67

Corsican

719.2.F73

Franche-Comté

719.2.G37

Gascony

719.2.N67

Normandy

719.2.P75

Provençal

721

German. Austrian

Including Pennsylvania-Dutch cookbooks

Scandinavian

722.A1

General works

722.A3-Z

By region or country, A-Z

Italian

723

General works

723.2.A-Z

By style of cooking, A-Z

723.2.N65

Northern

723.2.S55

Sicilian

723.2.S65

Southern

723.2.T86

Tuscan

Russian

723.3

European

- Cooking
 - Cookbooks
 - 1800-
 - Russian -- Continued
 - 723.4 Asiatic
 - Including Caucasian
 - Other European
 - 723.5.A1 General works
 - 723.5.A3-Z By region or country, A-Z
 - Jewish. Israeli
 - Cf. TX739.2.H35 Hanukkah
 - Cf. TX739.2.P37 Passover
 - 724 General works
 - 724.2.A-Z By style of cooking, A-Z
 - 724.2.A75 Ashkenazic
 - 724.2.H86 Hungarian
 - 724.2.I73 Iraqi
 - 724.2.M67 Moroccan
 - 724.2.S36 Samaritan
 - 724.2.S47 Sephardic
 - 724.2.T75 Tripolitanian
 - 724.2.T87 Turkish
 - 724.2.Y46 Yemenite
 - Oriental. Asian
 - Including East Asian, South Asian, Southeast Asian, Polynesian, and Asian American
 - For Asiatic Russian see TX723.4
 - For Middle Eastern see TX725.M628
 - 724.5.A1 General works
 - 724.5.A3-Z By region or country, etc., A-Z
 - e. g.
 - 724.5.C5 Chinese
 - 724.5.H3 Hawaiian
 - 724.5.I4 India
 - 724.5.I5 Indonesia
 - 724.5.J3 Japan
 - 724.5.K65 Korea
 - 724.5.T5 Thailand
 - 724.5.V5 Vietnam
 - Other
 - 725.A1 International
 - 725.A3-Z By region or country, A-Z
 - Including Africa, Australia, Middle East, etc.
 - 725.M628 Middle East
 - (725.N36) Near East
 - see TX725.M628
 - Cooking using alcoholic or fermented beverages
 - Cf. TP500+ Fermented beverages. Alcohol
 - 726 Wine. Liquors
 - 726.2 Cider
 - 726.3 Beer
 - 726.4 Makkölli
 - Menus, bills of fare, kitchen almanacs, etc.
 - Cf. TX911.3.M45 Hotels, clubs, restaurants, etc.
 - 727 Early to 1800
 - 728 1800-

Cooking

Menus, bills of fare, kitchen almanacs, etc. -- Continued

731 Entertaining, dinner-giving, etc.

For entertaining in which food is not primary see GV1+

Special meals

For individual foods or ingredients see TX743+

For special methods of cooking see TX820.2+

733 Breakfasts. Brunches

735 Luncheons

Including lunchbox cooking

736 Afternoon teas

Cf. GT2905+ Tea customs

Cf. TX817.T3 Beverages

737 Dinners

738 Suppers

738.5 Buffets

Special occasions. Holidays

739 General works

739.2.A-Z By occasion or holiday, A-Z

739.2.A48 Advent

739.2.C45 Christmas

739.2.E37 Easter

Fast day see TX837+

739.2.H34 Halloween

739.2.H35 Hanukkah

Lent see TX837+

739.2.P37 Passover

Picnics see TX823

739.2.R67 Rosh ha-Shanah

739.2.T45 Thanksgiving

739.2.V34 Valentine's Day

740 Miscellaneous recipes. Canapes, hors d'oeuvres, salads, etc.

For vegetable salads see TX807

740.5 Food presentation. Garnishes

741 Natural foods

742 Raw foods

Food of animal origin

743 General works

745 Eggs

746 Insects

746.2 Earthworms

Fish. Seafood

Cf. TX753+ Shellfish

747 General works

748.A-Z Special, A-Z

748.A53 Anchovies

748.B37 Bass

748.B55 Bluefish

748.B67 Bowfin

748.B85 Burbot

748.C35 Carp

748.C36 Catfish

748.C38 Caviar

748.C63 Codfish

748.C73 Crappie

748.D64 Dogfish

Cooking

Food of animal origin

Fish. Seafood

Special, A-Z -- Continued

748.E32 Eels
748.F83 Fugu
(748.G7) Grayfish
see TX748.D64
748.G74 Groupers
748.H33 Haddock
748.H35 Halibut
748.H45 Herring
748.M32 Mackerel
748.M84 Mullet
748.P54 Pike
748.P64 Pollock
748.S24 Salmon
748.S26 Sardines
748.S43 Shad
748.S5 Sharks
748.S58 Skates (Fishes)
748.S68 Squid
748.S75 Striped bass
748.T54 Tilefish
748.T74 Trout
748.T84 Tuna
748.W48 Whale meat

Meat

749 General works
749.5.A-Z Special, A-Z
749.5.A44 Alligator
Bacon see TX749.5.P67
749.5.B43 Beef
Game see TX751
749.5.G63 Goat meat
749.5.H35 Ham
749.5.H67 Horsemeat
749.5.L35 Lamb and mutton
749.5.P67 Pork
Including bacon
Poultry see TX750+
749.5.R32 Rabbit
749.5.S28 Sausages
749.5.V37 Variety meats

Poultry

750 General works
750.5.A-Z Special, A-Z
750.5.C45 Chicken
750.5.D82 Duck
750.5.E45 Emu
750.5.O77 Ostrich
750.5.P45 Pheasant
750.5.Q34 Quail
750.5.T87 Turkey
751 Game
Shellfish

Cooking

Food of animal origin

Shellfish -- Continued

753 General works
 754.A-Z Special, A-Z
 754.C53 Clams
 754.C83 Crabs
 754.C84 Crayfish
 754.L63 Lobsters
 754.M98 Mussels
 754.O98 Oysters
 754.S33 Scallops
 754.S58 Shrimp
 754.S63 Snails
 757

Soups

Dairy products

759 General works
 759.5.A-Z Special, A-Z
 759.5.B87 Butter
 759.5.C48 Cheese
 Evaporated milk see TX759.5.M54
 759.5.M54 Milk
 759.5.S68 Sour cream and milk
 759.5.Y63 Yogurt

Baking. Confectionery

Cf. GT5960.B34+ Manners and customs

761 Periodicals, societies, etc.
 763 General works
 765 Minor works, recipe books, etc.
 767.A-Z Recipes for special food products, A-Z
 767.A65 Apple butter
 767.C37 Caramel
 767.C5 Chocolate
 767.H7 Honey
 767.M3 Maple sugar and syrup
 767.W48 White chocolate

Bread

769 General works
 770.A-Z Special breads, A-Z
 770.B35 Bagels
 770.B55 Biscuits. Scones
 770.C45 Challah
 770.C64 Corn bread
 770.C72 Crackers
 Crepes see TX770.P34
 770.C74 Croissants
 770.D67 Doughnuts
 770.F55 Filo dough
 770.F57 Flatbreads
 For individual types of flatbreads, see the type, e.g., Focaccia, TX770.F63
 770.F63 Focaccia
 770.F73 French toast
 770.L44 Lefse
 770.M83 Muffins
 770.P34 Pancakes. Waffles. Crepes
 770.P56 Pita bread

Cooking

Baking. Confectionery

Bread

Special breads, A-Z -- Continued

770.P58

Pizza

770.P73

Pretzels

Scones see TX770.B55

770.S66

Sourdough bread

770.T65

Tortillas

Waffles see TX770.P34

770.W56

Whole wheat bread

Cakes

Including cupcakes

771

General works

771.2

Cake decorating

771.4

Cake pops

Cheesecake see TX773

772

Cookies

773

Desserts, pies, and puddings. Pastry

Including cheesecake

775

Directories of bakers, etc.

776

Bakers' trade publications

778

Bakers' and confectioners' supplies

Including catalogs

Cf. TX657.B34 Baking pans

Confectionery

Periodicals see TX761

783

General works

Candy

784

History of candy manufacture

791

General works

792

Juvenile works

793

Candymakers' tools, etc.

Desserts see TX773

Ice creams and ices

795.A1

Periodicals, societies, etc.

795.A2-Z

General works

796.A-Z

Special forms, flavors, etc. A-Z

796.I45

Ice cream sandwiches

796.I46

Ice pops

799

General special

Vegetables (Preparation)

Cf. TX392+ Vegetarianism

801

General works

803.A-Z

Special vegetables, A-Z

803.A7

Artichokes

803.A8

Asparagus

Bean curd see TX814.5.T63

803.B4

Beans

803.B66

Broccoli

803.B7

Brussels sprouts

803.C3

Cabbage

803.C35

Carrots

803.C37

Cassava

803.C68

Cowpeas

803.C83

Cucumbers

Cooking

Vegetables (Preparation)

Special vegetables, A-Z -- Continued

- 803.D34 Dandelions
- 803.E4 Eggplant
- 803.F85 Fungi
- 803.G74 Greens
- 803.L4 Leeks
- 803.L46 Lentils
- 803.O37 Okra
- 803.O5 Onions
- 803.P35 Peanuts
 - Cf. TX814.5.P38 Peanut butter
- 803.P4 Peas
- 803.P46 Peppers
- 803.P8 Potatoes
- 803.P93 Pumpkin
- 803.R33 Radishes
- 803.R58 Rhubarb
- 803.S6 Soybeans
- 803.S63 Spaghetti squash
- 803.S67 Squash
- 803.S94 Sweet potatoes
- 803.T37 Taro
- 803.T6 Tomatoes
 - Cf. TX814.5.T65 Tomato paste
- 803.T87 Turnips
- Vegetable spaghetti see TX803.S63
- 803.Z82 Zucchini
- 804 Mushrooms
 - Including specific types of mushrooms
- 804.5 Truffles
- 805 Pickles
- 806 Kimch'i
- 807 Salads
- Cereals (Preparation)
- 808.A1 Periodicals, societies, etc.
- 808.A2-Z General works
- 809.A-Z Special, A-Z
 - Cf. TX395 Prepared cereals
 - Cf. TX803.A+ Special vegetables
- 809.B75 Brown rice
- 809.B8 Buckwheat
- 809.B85 Bulgur
- Corn see TX809.M2
- 809.C68 Couscous
- Fried rice see TX809.R5
- 809.G55 Gluten
- 809.G7 Granola
- 809.M17 Macaroni. Pasta
- 809.M2 Maize. Corn
- 809.N65 Noodles
- 809.O22 Oat bran
- 809.O23 Oats
- Pasta see TX809.M17
- 809.P67 Porridge

Cooking

Cereals (Preparation)

Special, A-Z -- Continued

809.Q55 Quinoa
809.R5 Rice
Including fried rice
809.R515 Rice cakes
809.R52 Rice flour
809.S64 Spelt
809.W45 Wheat
809.W453 Wheat germ
809.W55 Wild rice

Fruits (Preparation)

811 General works
813.A-Z Special fruits, A-Z
813.A6 Apples
813.A64 Apricots
813.A9 Avocados
813.B3 Bananas
813.B4 Berries
813.B5 Blueberries
813.B73 Breadfruit
813.C4 Cherries
813.C5 Citrus fruits
813.C7 Cranberries
813.C87 Currant grapes
813.D3 Dates
813.F5 Figs
813.G73 Grapefruit
813.G74 Grapes
813.G83 Guava
813.H83 Huckleberries
813.J33 Jackfruit
813.K55 Kiwifruit
813.L4 Lemons
813.L55 Limes
813.M35 Mangos
813.M44 Melons
813.O4 Olives
813.O6 Oranges
813.P3 Papaya
813.P34 Passion fruit
813.P38 Peach palm
813.P4 Peaches
813.P43 Pears
813.P45 Persimmons
813.P5 Pineapples
813.P55 Plums
813.P64 Pomegranates
813.P78 Prunes
813.R34 Raisins
813.R37 Raspberries
813.S85 Stone fruit
813.S9 Strawberries
814 Nuts (Preparation)
General works

Cooking

Nuts (Preparation) -- Continued

814.2.A-Z Special nuts, A-Z

814.2.A25 Acorns

814.2.A44 Almonds

814.2.C37 Cashews

814.2.C48 Chestnuts

814.2.C63 Coconuts

814.2.H39 Hazelnuts

814.2.M33 Macadamia

814.2.P4 Pecans

814.2.W3 Walnuts

814.5.A-Z Other, A-Z

814.5.A75 Aphrodisiacs

Bean curd see TX814.5.T63

814.5.C35 Carob

814.5.C63 Coconut flour

814.5.F5 Flowers

814.5.G4 Gelatin

814.5.H45 Hemp

814.5.H66 Hops

814.5.J35 Jam

814.5.K83 Kudzu

814.5.L68 Lotus

814.5.M63 Mochi

814.5.P38 Peanut butter

814.5.P66 Popcorn

814.5.P76 Poppies

814.5.R53 Rice cakes

814.5.R58 Roselles

814.5.R6 Roses

814.5.S34 Sago

814.5.S44 Seeds

814.5.S47 Sesame

814.5.T45 Tempeh

814.5.T48 Textured soy protein

814.5.T63 Tofu

814.5.T64 Tomato juice

814.5.T65 Tomato paste

Beverages

Cf. TP500+ Technology

Cf. TX726+ Cooking using alcoholic or fermented beverages

Cf. TX911.3.M45 Food and wine pairing

Cf. TX951 Bartenders' manuals

815 General works

817.A-Z Special beverages, A-Z

Beer see TX726.3

817.C4 Chocolate

Including cocoa

817.C6 Coffee

Fermented beverages see TP500+

Flower teas see TX817.T3

817.F78 Fruit drinks

Herbal teas see TX817.T3

817.L45 Lemonade

817.M5 Milkshakes. Malted milk

| | |
|----------|--|
| | Cooking |
| | Beverages |
| | Special beverages, A-Z -- Continued |
| 817.P86 | Punches |
| 817.S636 | Smoothies |
| 817.S64 | Soft drinks |
| 817.T3 | Tea |
| | Including herbal teas, flower teas, etc. |
| 818 | Sandwiches |
| | Condiments, sauces, etc. |
| 819.A1 | General works |
| 819.A3-Z | Special, A-Z |
| | Cf. TX740 Canapes, hor d'oeuvres, etc. |
| | Cf. TX805 Pickles |
| | Cf. TX840.B3 Barbecuing |
| 819.B37 | Basil |
| 819.C36 | Canola oil |
| 819.C53 | Cinnamon |
| 819.C58 | Coconut oil |
| 819.C6 | Coffee (as a flavor) |
| 819.C65 | Coriander |
| 819.C9 | Curry |
| 819.F78 | Fructose |
| 819.G3 | Garlic |
| 819.G53 | Ginger |
| 819.G55 | Glutamate |
| 819.H4 | Herbs |
| | Cf. GT5164 Manners and customs |
| 819.H66 | Hot peppers |
| 819.K48 | Ketchup |
| 819.L38 | Lavender |
| 819.M25 | Marijuana |
| 819.M26 | Marinades |
| 819.M3 | Mayonnaise |
| 819.M56 | Mint |
| 819.M57 | Miso |
| 819.M65 | Molasses |
| 819.M87 | Mustard |
| 819.O4 | Olive butter |
| 819.O42 | Olive oil |
| 819.P3 | Pepper |
| 819.P45 | Pestos |
| 819.S24 | Saffron |
| 819.S27 | Salad dressing |
| 819.S29 | Salsas |
| 819.S32 | Salt |
| 819.S58 | Soy sauce |
| 819.S75 | Stevia |
| 819.S8 | Stocks |
| 819.S94 | Sugar |
| 819.S96 | Syrups |
| 819.T43 | Tea (as a flavor) |
| 819.V35 | Vanilla |
| 819.V5 | Vinegar |
| 819.W5 | White sauce |
| 819.W65 | Worcestershire sauce |

- Cooking -- Continued
- 820 Cooking for large numbers. Institutional cooking
 For communal kitchens see TX946
 Other special varieties of cooking
 For individual foods or ingredients see TX743+
 Army see UC720+
- 821 Canned foods, etc.
- 823 Camp and picnic. Outdoor cooking
 Casserole cooking see TX693
- 825 Chafing dish cooking
- 825.5 Clay pot cooking
- 826 Cold-storage foods
 Cooking for sick soldiers see UH487+
 Cooking for the sick see RM219+
 Diabetic cooking see RC662
- 826.5 Dried foods
- 827 Electric cooking. Slow cooking
 Cf. TX657.S5 Electric stoves
 Cf. TX832 Microwave cooking
 Fast day see TX837+
- 827.5 Fermented food
- 828 Frozen food
- 829 Hot weather
- 830 Cold dishes
- 831 Fireless cookers. Hayboxes, etc.
- 832 Microwave cooking
 Navy see VC350+
- 833 Paper-bag cooking
- 833.5 Quick and easy cooking
- 834 Skewer cooking. Kabobs
- 835 Smoked foods
 Cf. TX609 Smoking of foods
- 835.5 Solar cooking
- 836 Stuffed foods
 Vegetarian. Lenten. Fast day
 Cf. TX391+ Vegetables
- 837 General works
- 838 Meat substitutes
- 840.A-Z Other special, A-Z
- 840.B3 Barbecue cooking
- 840.B5 Blender recipes
- 840.C65 Convection oven cooking
- 840.D88 Dutch oven cooking
- 840.F5 Fireplace cooking
- 840.F6 Food processor recipes
- 840.F76 Food truck cooking
- 840.J84 Juicer recipes
 Lunchbox cooking see TX735
- 840.M35 Mandoline recipes
 Marine cooking see TX840.M7
- 840.M5 Mixer recipes
 For smoothies see TX817.S636
- 840.M6 Mobile home cooking
- 840.M7 Motorboat cooking. Marine cooking
- 840.O53 One-dish meals
- 840.P7 Pressure cooker recipes

- Cooking
 - Other special varieties of cooking
 - Other special, A-Z -- Continued
- 840.S55 Skillet cooking
- 840.S63 Slow cooking see TX827
- 840.T63 Smart cooker recipes
- Toaster oven cooking
- Trailer cooking see TX840.M6
- 840.W65 Wok cooking
 - Cf. TX724.5.C5 Chinese cooking
- Dining-room service
 - 851 General works
 - Dining room
 - 855 General works
 - 857 Arrangement
 - 859 Decoration
 - Table
 - 871 General works
 - 873 Arrangement
 - 877 Furnishings
 - 879 Decoration
 - 881 Serving
 - 885 Carving
- Hospitality industry. Hotels, clubs, restaurants, etc. Food service
 - Cf. GT3770+ Manners and customs
 - Cf. GV198.945+ Farm vacations, dude ranches, etc.
 - Cf. GV854.35+ Ski resorts
 - Cf. NA7800+ Architecture
 - Cf. RA794 Health resorts
 - Cf. SH405 Fishing resorts
- 901 Periodicals, societies, etc.
- 905 Dictionaries and encyclopedias
- Directories
 - Including restaurant and hotel guidebooks, etc.
 - For directories of chefs see TX650
- 907 General works
 - By region or country
 - United States
 - 907.2 General works
 - 907.3.A-Z By region or state, A-Z
 - Subarrange each state by Table T4a
 - 907.5.A-Z Other regions or countries, A-Z
 - Subarrange each country by Table T4a
- History
 - 908 General works
 - Special countries
 - United States
 - 909.A1 Periodicals, societies, etc.
 - 909.A2-Z General works
 - 909.2.A-Z By region or state, A-Z
 - Subarrange each state by Table T4a
 - Other countries
 - 910.A1 Europe
 - 910.A2-Z By region or country, A-Z
 - Special hotels see TX941.A+
 - Special restaurants see TX945.5.A+

- Hospitality industry. Hotels, clubs, restaurants, etc. Food service
 History -- Continued
 Special taverns, barrooms, etc. see TX950+
 Biography
 910.3 Collective
 910.5.A-Z Individual, A-Z
 911 General works
 911.2 General special
 911.3.A-Z Special topics, A-Z
 Accounting see HF5686.H75
 Appraisal see TX911.3.V34
 Bookkeeping see HF5686.H75
 911.3.C3 Cashiering
 911.3.C6 Commercial correspondence
 Concierge services see TX911.3.C63
 911.3.C63 Concierges and concierge service
 911.3.C65 Cost control
 911.3.C8 Customer relations
 911.3.E4 Electronic data processing
 911.3.E45 Energy consumption
 Equipment and supplies see TX912
 911.3.E84 Ethics
 911.3.F5 Finance
 Fires and fire prevention in hotels see TH9445.H75
 Fires and fire prevention in restaurants see TH9445.R44
 Food and wine pairings see TX911.3.M45
 Food service see TX943+
 911.3.F75 Front desk
 Housekeeping see TX928
 911.3.I5 Inventory control
 911.3.J65 Job descriptions
 911.3.L27 Labor productivity
 911.3.L3 Labor turnover
 911.3.L62 Location
 Maintenance and repair see TX928
 911.3.M27 Management
 911.3.M3 Marketing
 911.3.M33 Mathematics
 911.3.M45 Menus. Wine lists
 Including food and wine pairing
 911.3.P4 Personnel management
 911.3.P46 Planning
 911.3.P7 Prices
 911.3.P77 Public relations
 911.3.P8 Purchasing
 911.3.Q34 Quality control
 911.3.R3 Rates
 911.3.R47 Reservations
 911.3.R48 Restrooms
 911.3.R57 Risk management
 Room service see TX943+
 911.3.S24 Safety measures
 911.3.S3 Sanitation
 911.3.S4 Security
 Site selection see TX911.3.L62
 911.3.S73 Statistical methods

- Hospitality industry. Hotels, clubs, restaurants, etc. Food service
 Special topics, A-Z -- Continued
- 911.3.S8 Stockroom keeping
 911.3.T32 Table setting and decoration
 911.3.T73 Training
 911.3.V34 Valuation and appraisal
 911.3.V62 Vocational guidance
 Cf. TX652.4 Vocational guidance for cooking in general
 Wine lists see TX911.3.M45
- 911.5 Study and teaching
 912 Furnishings, equipment, etc.
 (913-917) Law and legislation. Inspectors' reports
 see class K
- 921 Stewards' manuals. Caterers' manuals. Kitchen control
 925 Dining room service. Table service. Wine service
 Including manuals for waiters, waitresses, bussing attendants, etc.
- 926 Bellmen, doormen, elevator operators
 927 Butlers
 928 Housekeeping, maintenance, repair
 930 Social executives, hostesses, etc.
 (931) General special
 see TX911.2
- 941.A-Z Special hotels and hotel chains. By name, A-Z
 Food service
 Including room service
 For food service in the transportation industry see TA1227
 For special topics see TX911.3.A+
- 943 General works
 Restaurants, cafeterias, tearooms, etc.
 For directories and guidebooks see TX907+
 Cf. HE7581.5 Cybercafes
 Cf. TP635 Soda fountains
- 945 General works
 945.2 School lunchrooms, cafeterias, etc.
 945.3 Fast food restaurants
 945.4 Ethnic restaurants
 Including individual types, e.g. Chinese restaurants
- 945.5.A-Z Special restaurants. By name, A-Z
 946 Mass feeding, communal kitchens, canteens, etc.
 Industrial feeding. Factory canteens
 946.5.A1 Periodicals. Collections. Congresses
 946.5.A3-Z General works
- Taverns, barrooms, saloons
 950 Periodicals, societies, etc.
 Biography of bartenders, saloonkeepers, etc.
 950.5.A1 Collective
 950.5.A2-Z Individual, A-Z
 950.53 Directories
 History
 950.54 General works
 By region or country
 United States
- 950.56 General works
 950.57.A-Z By region or state, A-Z
 950.59.A-Z Other regions or countries, A-Z
 950.7 General works

| TX | HOME ECONOMICS | TX |
|------------|---|----|
| | Taverns, barrooms, saloons -- Continued | |
| 951 | Bartenders' manuals and recipes | |
| | Cf. TX815+ Non-alcoholic beverages | |
| | Furnishings, equipment, etc. Housekeeping | |
| 952 | General works | |
| 953 | Bars and bar supplies | |
| | Building operation and housekeeping | |
| 955 | General works | |
| | Apartment houses | |
| 957 | General works | |
| 958 | Janitor service | |
| | Cf. TX339 Household janitor service | |
| 959 | Other services | |
| | Including elevator service | |
| 960 | Housing developments | |
| 980 | Office buildings | |
| 985 | Public buildings | |
| | Mobile home living | |
| | Cf. GV198.5+ Mobile home living | |
| 1100 | Periodicals, societies, etc. | |
| 1105 | General works | |
| 1106 | Juvenile works | |
| | By region or country | |
| | United States | |
| 1107 | General works | |
| 1107.2.A-Z | By region or state, A-Z | |
| 1107.4.A-Z | Other regions or countries, A-Z | |
| 1110 | Recreational vehicle living | |

History

- 15 General works
- 16 Ancient
- 17 Medieval
- 18 Modern
- 19 19th century
- 20 20th century

Special countries

Numbers that have been provided for "Cities or other special, A-Z," "Local or special, A-Z," or "Provinces or other special, A-Z" may be used for local subdivision, or for special entities such as canals, rivers, harbors, railroads, bridges, etc., as appropriate

America

- 21 General works
- North America
- 22 General works
- United States
- 23 General works
- 23.1 Eastern states. Atlantic coast
- 23.15 New England
- 23.2 Appalachian region
- 23.3 Great Lakes region
- 23.4 Midwest. Mississippi Valley
- 23.5 South. Gulf states
- 23.6 West
- 23.7 Northwest
- 23.8 Pacific coast
- 23.9 Southwest
- 24.A-.W States, A-W
- e.g.
- 24.A4 Alaska
- 24.H3 Hawaii
- 25.A-Z Cities or other special, A-Z
- Canada
- 26 General works
- 27.A-Z Provinces or other special, A-Z
- 27.5 Latin America
- Mexico
- 28 General works
- 29.A-Z Local or special, A-Z
- Central America
- 30 General works
- 31.A-Z Special countries, A-Z
- 31.5 Caribbean Area
- West Indies
- 32 General works
- 33.A-Z Special islands, A-Z
- South America
- 34 General works
- Argentina
- 36 General works
- 37.A-Z Local or special, A-Z
- Bolivia
- 38 General works
- 39.A-Z Local or special, A-Z
- Brazil
- 41 General works

- Special countries
 - America
 - South America
 - Brazil -- Continued
 - 42.A-Z Local or special, A-Z
 - Chile
 - 43 General works
 - 44.A-Z Local or special, A-Z
 - Colombia
 - 45 General works
 - 46.A-Z Local or special, A-Z
 - Ecuador
 - 47
 - Guyana
 - 48
 - Suriname
 - 49
 - French Guiana
 - 50
 - Paraguay
 - 51
 - Peru
 - 52
 - Uruguay
 - 53
 - Venezuela
 - 54
 - Europe
 - 55 General works
 - Great Britain. England
 - 57 General works
 - 58.A-Z English counties or regions, A-Z
 - Ireland
 - 59 General works
 - 59.2 Irish Free State. Ireland (Eire)
 - 59.3 Northern Ireland
 - 60.A-Z Special counties, A-Z
 - Scotland
 - 61 General works
 - 62.A-Z Special counties, A-Z
 - Wales
 - 63
 - 64.A-Z Cities or other special, A-Z
 - Austria
 - 65 General works
 - 65.2.A-Z Local or special, A-Z
 - Czechoslovakia
 - 65.3 General works
 - 65.4.A-Z Local or special, A-Z
 - Hungary
 - 65.5 General works
 - 65.9.A-Z Special counties, A-Z
 - 66.A-Z Cities or other special, A-Z
 - Belgium
 - 67 General works
 - 68.A-Z Local or special, A-Z
 - Denmark
 - 69 General works
 - 70.A-Z Local or special, A-Z
 - France
 - 71 General works
 - 72.A-Z Local or special, A-Z
 - 72.5 Colonies (Collectively)
 - Germany
 - 73 General works

Special countries

Europe

Germany -- Continued

- 73.1 East Germany. Eastern Germany
- 73.2 Baden-Württemberg
- 73.3 Bavaria
- 73.4 Hesse
- 73.5 Prussia
- 73.6 Saxony
- 73.7 North Rhine-Westphalia
- 73.9.A-Z Other states, A-Z
- 74.A-Z Cities or other special, A-Z
- 74.5 Colonies (Collectively)

Greece

- 75 General works
- 76.A-Z Local or special, A-Z

Netherlands

- 77 General works
- 78.A-Z Local or special, A-Z

Italy

- 79 General works
- 80.A-Z Local or special, A-Z

80.5 Malta

Norway

- 81 General works
- 82.A-Z Local or special, A-Z

Portugal, Azores, etc.

- 83 General works
- 84.A-Z Local or special, A-Z
- 84.5 Colonies (Collectively)

Russia in Europe

- 85 General works
- 86.A-Z Local or special, A-Z

Slovakia

- 86.6 General works
- 86.7.A-Z Local or special, A-Z

Spain

- 87 General works
- 88.A-Z Local or special, A-Z

88.5 Scandinavia

Sweden

- 89 General works
- 90.A-Z Local or special, A-Z

Switzerland

- 91 General works
- 92.A-Z Local or special, A-Z

95.A-Z Other regions and countries, A-Z

- 95.A2 Balkan Peninsula
- 95.A38 Albania
- 95.A44 Alps
- 95.A48 Andorra
- 95.B3 Baltic Sea
- 95.B43 Belarus
- 95.B45 Benelux countries
- 95.B9 Bulgaria
- 95.C37 Carpathian Mountains

Special countries

Europe

Other regions and countries, A-Z -- Continued

95.D35 Danube River
 95.F5 Finland
 95.I43 Iceland
 95.L285 Lapland
 95.L37 Latvia
 95.L78 Lithuania
 95.L9 Luxemburg
 95.M4 Mediterranean Region
 95.N67 North Sea
 95.P7 Poland
 95.P75 Pomerania (Poland and Germany)
 95.R48 Rhine River
 95.R6 Romania
 95.S55 Slovenia
 95.T48 Thrace
 95.U95 Ukraine
 95.Y8 Yugoslavia

Asia

99 General works
 China
 For Hong Kong see T1 113.H85
 For Macau see T1 113.M2
 101 General works
 102.A-Z Local or special, A-Z
 Taiwan
 102.5 General works
 102.6.A-Z Local or special, A-Z
 South Asia
 102.9 General works
 India
 103 General works
 104.A-Z Local or special, A-Z
 Pakistan
 104.5 General works
 104.6.A-Z Local or special, A-Z
 Bangladesh
 104.65 General works
 104.66.A-Z Local or special, A-Z
 Sri Lanka. Ceylon
 104.7 General works
 104.8.A-Z Local or special, A-Z
 Japan
 105 General works
 106.A-Z Local or special, A-Z
 Korea
 Including South Korea
 106.5 General works
 106.6.A-Z Local or special, A-Z
 North Korea
 106.7 General works
 106.8.A-Z Local or special, A-Z
 Iran. Persia
 107 General works

Special countries

Asia

Iran. Persia -- Continued

108.A-Z Local or special, A-Z

Russia in Asia. Siberia

109 General works

110.A-Z Local or special, A-Z

Turkey. Asia Minor

111 General works

112.A-Z Local or special, A-Z

113.A-Z Other divisions of Asia, A-Z

113.A3 Afghanistan

113.B47 Bhutan

113.B54 Borneo

113.B7 Brunei

113.B8 Burma. Myanmar

113.C16 Cambodia

113.C35 Central Asia

113.C9 Cyprus

113.G39 Gaza Strip

113.H54 Himalaya Mountains

113.H85 Hong Kong

113.I55 Indonesia

113.I7 Iraq

113.I75 Israel

113.J6 Jordan

113.K38 Kazakhstan

113.K85 Kuwait

113.L28 Laos

113.L4 Lebanon

113.M2 Macau

113.M318 Malaya

113.M32 Malaysia

113.M45 Mekong River Valley

Myanmar see T1 113.B8

113.N4 Nepal

113.O5 Oman

113.P6 Philippines

113.Q36 Qatar

113.S33 Saudi Arabia

113.S53 Singapore

113.S6 Southeast Asia

113.S94 Syria

113.T48 Thailand

113.U54 United Arab Emirates

113.V5 Vietnam

113.W48 West Bank

113.Y45 Yemen

113.5 Middle East. Near East

114 Arab countries

114.5 Islamic countries

Africa

115 General works

Egypt

117 General works

118.A-Z Local or special, A-Z

Special countries

Africa -- Continued

| | |
|---------|---|
| 119.A-Z | Other divisions of Africa, A-Z |
| 119.A4 | Algeria |
| 119.A5 | Angola |
| 119.B57 | Botswana |
| | Burkina Faso see T1 119.U66 |
| 119.B85 | Burundi |
| 119.C17 | Cameroon |
| 119.C42 | Central Africa |
| 119.C43 | Central African Republic |
| 119.C75 | Congo (Brazzaville) |
| | Congo (Democratic Republic) see T1 119.Z3 |
| | Côte d'Ivoire see T1 119.I9 |
| 119.D3 | Dahomey |
| 119.D55 | Djibouti |
| 119.E18 | East Africa |
| 119.E19 | Eastern Africa |
| 119.E8 | Ethiopia |
| 119.F82 | French-speaking Equatorial Africa |
| 119.F83 | French-speaking West Africa |
| 119.G23 | Gabon |
| 119.G45 | Ghana |
| 119.G92 | Guinea |
| 119.G94 | Guinea-Bissau |
| 119.I9 | Ivory Coast. Côte d'Ivoire |
| 119.K4 | Kenya |
| 119.L45 | Lesotho |
| 119.L49 | Liberia |
| 119.L74 | Libya |
| 119.M28 | Madagascar |
| 119.M3 | Malawi |
| 119.M34 | Mali |
| 119.M39 | Mauritania |
| 119.M6 | Morocco |
| 119.M85 | Mozambique |
| | Namibia see T1 119.S68 |
| 119.N53 | Niger |
| 119.N54 | Nigeria |
| 119.N6 | Nile River Valley |
| 119.R45 | Rhodesia, Southern. Zimbabwe |
| 119.R9 | Rwanda |
| 119.S18 | Sahel |
| 119.S38 | Senegal |
| 119.S5 | Sierra Leone |
| 119.S59 | Somalia |
| 119.S6 | South Africa |
| 119.S64 | Southern Africa |
| 119.S68 | Southwest Africa. Namibia |
| 119.S73 | Sub-Saharan Africa |
| 119.S74 | Sudan |
| 119.S87 | Swaziland |
| 119.T35 | Tanzania |
| 119.T64 | Togo |
| 119.T8 | Tunisia |
| 119.U4 | Uganda |

Special countries

Africa

Other divisions of Africa, A-Z -- Continued

119.U66 Upper Volta
119.W48 West Africa
119.Z3 Zaire. Congo (Democratic Republic)
119.Z34 Zambia
Zimbabwe see T1 119.R45

Indian Ocean islands

120 General works
120.5.A-Z Special islands, A-Z
120.5.M38 Mauritius
120.5.M39 Mayotte
120.5.R48 Réunion

Australasia

120.7 General works
Australia
121 General works
122.A-Z Local or special, A-Z
New Zealand
122.5 General works
122.6.A-Z Local or special, A-Z
122.7 Papua New Guinea

Pacific Islands

123 General works
124.A-Z By island, A-Z

Arctic regions

125 General works
125.5 Greenland

Antarctica

126
126.5 Tropics

127 Developing countries

Numbers that have been provided for "Cities or other special, A-Z," "Local or special, A-Z," or "Provinces or other special, A-Z" may be used for local subdivision, or for special entities such as canals, rivers, harbors, railroads, bridges, etc., as appropriate

America

| | |
|---------|---------------------------------|
| 21 | General works |
| | North America |
| 22 | General works |
| | United States |
| 23 | General works |
| 23.1 | Eastern states. Atlantic coast |
| 23.15 | New England |
| 23.2 | Appalachian region |
| 23.3 | Great Lakes region |
| 23.4 | Midwest. Mississippi Valley |
| 23.5 | South. Gulf states |
| 23.6 | West |
| 23.7 | Northwest |
| 23.8 | Pacific coast |
| 23.9 | Southwest |
| 24.A-.W | States, A-W |
| | e.g. |
| 24.A4 | Alaska |
| 24.H3 | Hawaii |
| 25.A-Z | Cities or other special, A-Z |
| | Canada |
| 26 | General works |
| 27.A-Z | Provinces or other special, A-Z |
| 27.5 | Latin America |
| | Mexico |
| 28 | General works |
| 29.A-Z | Local or special, A-Z |
| | Central America |
| 30 | General works |
| 31.A-Z | Special countries, A-Z |
| | West Indies |
| 32 | General works |
| 33.A-Z | Special islands, A-Z |
| | South America |
| 34 | General works |
| | Argentina |
| 36 | General works |
| 37.A-Z | Local or special, A-Z |
| | Bolivia |
| 38 | General works |
| 39.A-Z | Local or special, A-Z |
| | Brazil |
| 41 | General works |
| 42.A-Z | Local or special, A-Z |
| | Chile |
| 43 | General works |
| 44.A-Z | Local or special, A-Z |
| | Colombia |
| 45 | General works |
| 46.A-Z | Local or special, A-Z |
| 47 | Ecuador |
| 48 | Guyana |

America

South America -- Continued

49 Suriname

50 French Guiana

51 Paraguay

52 Peru

53 Uruguay

54 Venezuela

Europe

55 General works

Great Britain. England

57 General works

58.A-Z English counties or regions, A-Z

Ireland

59 General works

59.2 Irish Free State. Ireland (Eire)

59.3 Northern Ireland

60.A-Z Special counties, A-Z

Scotland

61 General works

62.A-Z Special counties, A-Z

63 Wales

64.A-Z Cities or other special, A-Z

Austria

65 General works

65.2.A-Z Local or special, A-Z

Czechoslovakia. Czech Republic

65.3 General works

65.4.A-Z Local or special, A-Z

Hungary

65.5 General works

65.9.A-Z Special counties, A-Z

66.A-Z Cities or other special, A-Z

Belgium

67 General works

68.A-Z Local or special, A-Z

Denmark

69 General works

70.A-Z Local or special, A-Z

France

71 General works

72.A-Z Local or special, A-Z

72.5 Colonies (Collectively)

Germany

73 General works

73.1 East Germany. Eastern Germany

73.2 Baden-Württemberg

73.3 Bavaria

73.4 Hesse

73.5 Prussia

73.6 Saxony

73.7 North Rhine-Westphalia

73.9.A-Z Other states, A-Z

74.A-Z Cities or other special, A-Z

74.5 Colonies (Collectively)

Greece

Europe

Greece -- Continued

75 General works

76.A-Z Local or special, A-Z

Netherlands

77 General works

78.A-Z Local or special, A-Z

Italy

79 General works

80.A-Z Local or special, A-Z

80.5 Malta

Norway

81 General works

82.A-Z Local or special, A-Z

Portugal, Azores, etc.

83 General works

84.A-Z Local or special, A-Z

84.5 Colonies (Collectively)

Russia in Europe

85 General works

86.A-Z Local or special, A-Z

Slovakia

86.6 General

86.7.A-Z Local or special, A-Z

Spain

87 General works

88.A-Z Local or special, A-Z

88.5 Scandinavia

Sweden

89 General works

90.A-Z Local or special, A-Z

Switzerland

91 General works

92.A-Z Local or special, A-Z

95.A-Z Other regions and countries, A-Z

95.A2 Balkan Peninsula

95.A38 Albania

95.A44 Alps

95.A48 Andorra

95.B3 Baltic Sea

95.B43 Belarus

95.B45 Benelux countries

95.B9 Bulgaria

95.C37 Carpathian Mountains

95.D35 Danube River

95.E88 Estonia

95.F5 Finland

95.I43 Iceland

95.L285 Lapland

95.L37 Latvia

95.L78 Lithuania

95.L9 Luxemburg

95.M4 Mediterranean Region

95.M66 Montenegro

95.N67 North Sea

95.P7 Poland

Europe

Other regions and countries, A-Z -- Continued

95.P75 Pomerania (Poland and Germany)
 95.R48 Rhine River
 95.R6 Romania
 95.S47 Serbia
 95.S57 Slovenia
 95.T38 Tatra Mountains (Slovakia and Poland)
 95.T48 Thrace
 95.U95 Ukraine
 95.Y8 Yugoslavia

Asia

99 General works
 China
 For Hong Kong see T1a 113.H85
 For Macau see T1a 113.M2
 101 General works
 102.A-Z Local or special, A-Z
 Taiwan
 102.5 General works
 102.6.A-Z Local or special, A-Z
 South Asia
 102.9 General works
 India
 103 General works
 104.A-Z Local or special, A-Z
 Pakistan
 104.5 General works
 104.6.A-Z Local or special, A-Z
 Bangladesh
 104.65 General works
 104.66.A-Z Local or special, A-Z
 Sri Lanka. Ceylon
 104.7 General works
 104.8.A-Z Local or special, A-Z
 Japan
 105 General works
 106.A-Z Local or special, A-Z
 Korea
 Including South Korea
 106.5 General works
 106.6.A-Z Local or special, A-Z
 North Korea
 106.7 General works
 106.8.A-Z Local or special, A-Z
 Iran. Persia
 107 General works
 108.A-Z Local or special, A-Z
 Russia in Asia. Siberia
 109 General works
 110.A-Z Local or special, A-Z
 Turkey. Asia Minor
 111 General works
 112.A-Z Local or special, A-Z
 113.A-Z Other divisions of Asia, A-Z
 113.A3 Afghanistan

Asia

Other divisions of Asia -- Continued

| | |
|----------|--|
| 113.A98 | Azerbaijan |
| 113.B54 | Borneo |
| 113.B7 | Brunei |
| 113.B8 | Burma. Myanmar |
| 113.C16 | Cambodia |
| 113.C9 | Cyprus |
| 113.G39 | Gaza Strip |
| 113.H54 | Himalaya Mountains |
| 113.H85 | Hong Kong |
| 113.I55 | Indonesia |
| 113.I7 | Iraq |
| 113.I75 | Israel |
| 113.J6 | Jordan |
| 113.K85 | Kuwait |
| 113.L28 | Laos |
| 113.L4 | Lebanon |
| 113.M2 | Macau |
| 113.M318 | Malaya |
| 113.M32 | Malaysia |
| 113.M45 | Mekong River Valley |
| | Myanmar see T1a 113.B8 |
| 113.N4 | Nepal |
| 113.O43 | Oman |
| 113.P35 | Persian Gulf Region. Persian Gulf States |
| 113.P6 | Philippines |
| 113.Q36 | Qatar |
| 113.S33 | Saudi Arabia |
| 113.S53 | Singapore |
| 113.S6 | Southeast Asia |
| 113.S94 | Syria |
| 113.T35 | Tajikistan |
| 113.T48 | Thailand |
| 113.U54 | United Arab Emirates |
| 113.V5 | Vietnam |
| 113.W48 | West Bank |
| 113.Y45 | Yemen (People's Democratic Republic) |
| 113.5 | Middle East. Near East |
| 114 | Arab countries |
| 114.5 | Islamic countries |
| | Africa |
| 115 | General works |
| | Egypt |
| 117 | General works |
| 118.A-Z | Local or special, A-Z |
| 119.A-Z | Other divisions of Africa, A-Z |
| 119.A4 | Algeria |
| 119.A5 | Angola |
| 119.B57 | Botswana |
| 119.B85 | Burundi |
| 119.C17 | Cameroon |
| 119.C42 | Central Africa |
| 119.C43 | Central African Republic |
| 119.C75 | Congo (Brazzaville) |
| | Congo (Democratic Republic) see T1a 119.Z3 |

Africa

Other divisions of Africa, A-Z -- Continued

| | |
|-----------|------------------------------------|
| | Côte d'Ivoire see T1a 119.I9 |
| 119.D3 | Dahomey |
| 119.D55 | Djibouti |
| 119.E18 | East Africa |
| 119.E19 | Eastern Africa |
| 119.E8 | Ethiopia |
| 119.F82 | French-speaking Equatorial Africa |
| 119.F83 | French-speaking West Africa |
| 119.G23 | Gabon |
| 119.G45 | Ghana |
| 119.G92 | Guinea |
| 119.G94 | Guinea-Bissau |
| 119.I9 | Ivory Coast. Côte d'Ivoire |
| 119.K4 | Kenya |
| 119.L45 | Lesotho |
| 119.L49 | Liberia |
| 119.L74 | Libya |
| 119.M28 | Madagascar |
| 119.M3 | Malawi |
| 119.M34 | Mali |
| 119.M39 | Mauritania |
| 119.M6 | Morocco |
| 119.M85 | Mozambique |
| | Namibia see T1a 119.S68 |
| 119.N53 | Niger |
| 119.N54 | Nigeria |
| 119.N6 | Nile River Valley |
| 119.R45 | Rhodesia, Southern. Zimbabwe |
| 119.R9 | Rwanda |
| 119.S18 | Sahel |
| 119.S38 | Senegal |
| 119.S5 | Sierra Leone |
| 119.S59 | Somalia |
| 119.S6 | South Africa |
| 119.S64 | Southern Africa |
| 119.S68 | Southwest Africa. Namibia |
| 119.S73 | Sub-Saharan Africa |
| 119.S74 | Sudan |
| 119.S87 | Swaziland |
| 119.T35 | Tanzania |
| 119.T64 | Togo |
| 119.T8 | Tunisia |
| 119.U4 | Uganda |
| 119.U66 | Upper Volta |
| 119.W48 | West Africa |
| 119.Z3 | Zaire. Congo (Democratic Republic) |
| 119.Z34 | Zambia |
| | Zimbabwe see T1a 119.R45 |
| | Indian Ocean islands |
| 120 | General works |
| 120.5.A-Z | Special islands, A-Z |
| 120.5.M38 | Mauritius |
| 120.5.R48 | Réunion |
| | Australasia |

| T1a | COUNTRY DIVISIONS | T1a |
|-----------|--------------------------|-----|
| | Australasia -- Continued | |
| 120.7 | General works | |
| | Australia | |
| 121 | General works | |
| 122.A-Z | Local or special, A-Z | |
| | New Zealand | |
| 122.5 | General works | |
| 122.6.A-Z | Local or special, A-Z | |
| 122.7 | Papua New Guinea | |
| | Pacific Islands | |
| 123 | General works | |
| 124.A-Z | By island, A-Z | |
| | Arctic regions | |
| 125 | General works | |
| 125.5 | Greenland | |
| 126 | Antarctica | |
| 126.5 | Tropics | |
| 127 | Developing countries | |

Numbers that have been provided for "Cities or other special, A-Z," "Local or special, A-Z," or "Provinces or other special, A-Z" may be used for local subdivision, or for special entities such as canals, rivers, harbors, railroads, bridges, etc., as appropriate

America

- 21 General works
- North America
- 22 General works
- United States
- 23 General works
- 23.1 Eastern states. Atlantic coast
- 23.15 New England
- 23.2 Appalachian region
- 23.3 Great Lakes region
- 23.4 Midwest. Mississippi Valley
- 23.5 South. Gulf states
- 23.6 West
- 23.7 Northwest
- 23.8 Pacific coast
- 23.9 Southwest
- 24.A-.W States, A-W
 - e.g.
 - 24.A4 Alaska
 - 24.H3 Hawaii
- 25.A-Z Cities or other special, A-Z
- Canada
- 26 General works
- 27.A-Z Provinces or other special, A-Z
- 27.5 Latin America
- Mexico
- 28 General works
- 29.A-Z Local or special, A-Z
- Central America
- 30 General works
- 31.A-Z Special countries, A-Z
- West Indies
- 32 General works
- 33.A-Z Special islands, A-Z
- South America
- 34 General works
- Argentina
- 36 General works
- 37.A-Z Local or special, A-Z
- Bolivia
- 38 General works
- 39.A-Z Local or special, A-Z
- Brazil
- 41 General works
- 42.A-Z Local or special, A-Z
- Chile
- 43 General works
- 44.A-Z Local or special, A-Z
- Colombia
- 45 General works
- 46.A-Z Local or special, A-Z
- 47 Ecuador
- 48 Guyana

America

South America -- Continued

49 Suriname

50 French Guiana

51 Paraguay

52 Peru

53 Uruguay

54 Venezuela

Europe

55 General works

Great Britain. England

57 General works

58.A-Z English counties or regions, A-Z

Ireland

59 General works

59.2 Irish Free State. Ireland (Eire)

59.3 Northern Ireland

60.A-Z Special counties, A-Z

Scotland

61 General works

62.A-Z Special counties, A-Z

63 Wales

64.A-Z Cities or other special, A-Z

Austria

65 General works

65.2.A-Z Local or special, A-Z

Czechoslovakia

65.3 General works

65.4.A-Z Local or special, A-Z

Hungary

65.5 General works

65.9.A-Z Special counties, A-Z

66.A-Z Cities or other special, A-Z

Belgium

67 General works

68.A-Z Local or special, A-Z

Denmark

69 General works

70.A-Z Local or special, A-Z

France

71 General works

72.A-Z Local or special, A-Z

72.5 Colonies (Collectively)

Germany

73 General works

73.1 East Germany. Eastern Germany

73.2 Baden-Württemberg

73.3 Bavaria

73.4 Hesse

73.5 Prussia

73.6 Saxony

73.7 North Rhine-Westphalia

73.9.A-Z Other states, A-Z

74.A-Z Cities or other special, A-Z

74.5 Colonies (Collectively)

Greece

Europe

Greece -- Continued

75 General works

76.A-Z Local or special, A-Z

Netherlands

77 General works

78.A-Z Local or special, A-Z

Italy

79 General works

80.A-Z Local or special, A-Z

80.5 Malta

Norway

81 General works

82.A-Z Local or special, A-Z

Portugal, Azores, etc.

83 General works

84.A-Z Local or special, A-Z

84.5 Colonies (Collectively)

Russia in Europe

85 General works

86.A-Z Local or special, A-Z

Slovakia

86.6 General works

86.7.A-Z Local or special, A-Z

Spain

87 General works

88.A-Z Local or special, A-Z

88.5 Scandinavia

Sweden

89 General works

90.A-Z Local or special, A-Z

Switzerland

91 General works

92.A-Z Local or special, A-Z

95.A-Z Other regions and countries, A-Z

95.A2 Balkan Peninsula

95.A38 Albania

95.A44 Alps

95.A48 Andorra

95.B3 Baltic Sea

95.B43 Belarus

95.B45 Benelux countries

95.B9 Bulgaria

95.C37 Carpathian Mountains

95.D35 Danube River

95.F5 Finland

95.I43 Iceland

95.L285 Lapland

95.L37 Latvia

95.L78 Lithuania

95.L9 Luxemburg

95.M4 Mediterranean Region

95.N67 North Sea

95.P7 Poland

95.P75 Pomerania (Poland and Germany)

95.R48 Rhine River

Europe

Other regions and countries, A-Z -- Continued

95.R6 Romania
 95.S55 Slovenia
 95.T48 Thrace
 95.U95 Ukraine
 95.Y8 Yugoslavia

Asia

99 General works
 China
 For Hong Kong see T1b 113.H85
 For Macau see T1b 113.M2
 101 General works
 102.A-Z Local or special, A-Z
 Taiwan
 102.5 General works
 102.6.A-Z Local or special, A-Z
 South Asia
 102.9 General works
 India
 103 General works
 104.A-Z Local or special, A-Z
 Pakistan
 104.5 General works
 104.6.A-Z Local or special, A-Z
 Bangladesh
 104.65 General works
 104.66.A-Z Local or special, A-Z
 Sri Lanka. Ceylon
 104.7 General works
 104.8.A-Z Local or special, A-Z
 Japan
 105 General works
 106.A-Z Local or special, A-Z
 Korea
 Including South Korea
 106.5 General works
 106.6.A-Z Local or special, A-Z
 North Korea
 106.7 General works
 106.8.A-Z Local or special, A-Z
 Iran. Persia
 107 General works
 108.A-Z Local or special, A-Z
 Russia in Asia. Siberia
 109 General works
 110.A-Z Local or special, A-Z
 Turkey. Asia Minor
 111 General works
 112.A-Z Local or special, A-Z
 113.A-Z Other divisions of Asia, A-Z
 113.A3 Afghanistan
 113.B54 Borneo
 113.B7 Brunei
 113.B8 Burma. Myanmar
 113.C16 Cambodia

Asia

Other divisions of Asia -- Continued

| | |
|----------|--------------------------------------|
| 113.C9 | Cyprus |
| 113.G39 | Gaza Strip |
| 113.H54 | Himalaya Mountains |
| 113.H85 | Hong Kong |
| 113.I55 | Indonesia |
| 113.I7 | Iraq |
| 113.I75 | Israel |
| 113.J6 | Jordan |
| 113.K85 | Kuwait |
| 113.L28 | Laos |
| 113.L4 | Lebanon |
| 113.M2 | Macau |
| 113.M318 | Malaya |
| 113.M32 | Malaysia |
| 113.M45 | Mekong River Valley |
| | Myanmar see T1b 113.B8 |
| 113.N4 | Nepal |
| 113.P6 | Philippines |
| 113.Q36 | Qatar |
| 113.S33 | Saudi Arabia |
| 113.S53 | Singapore |
| 113.S6 | Southeast Asia |
| 113.S94 | Syria |
| 113.T48 | Thailand |
| 113.U54 | United Arab Emirates |
| 113.V5 | Vietnam |
| 113.W48 | West Bank |
| 113.Y45 | Yemen (People's Democratic Republic) |
| 113.5 | Middle East. Near East |
| 114 | Arab countries |
| 114.5 | Islamic countries |

Africa

| | |
|---------|--|
| 115 | General works |
| | Egypt |
| 117 | General works |
| 118.A-Z | Local or special, A-Z |
| 119.A-Z | Other divisions of Africa, A-Z |
| 119.A4 | Algeria |
| 119.A5 | Angola |
| 119.B57 | Botswana |
| 119.B85 | Burundi |
| 119.C17 | Cameroon |
| 119.C42 | Central Africa |
| 119.C43 | Central African Republic |
| 119.C75 | Congo (Brazzaville) |
| | Congo (Democratic Republic) see T1b 119.Z3 |
| | Côte d'Ivoire see T1b 119.I9 |
| 119.D3 | Dahomey |
| 119.D55 | Djibouti |
| 119.E18 | East Africa |
| 119.E19 | Eastern Africa |
| 119.E8 | Ethiopia |
| 119.F82 | French-speaking Equatorial Africa |
| 119.F83 | French-speaking West Africa |

Africa

Other divisions of Africa, A-Z -- Continued

| | |
|-----------|------------------------------------|
| 119.G23 | Gabon |
| 119.G45 | Ghana |
| 119.G92 | Guinea |
| 119.G94 | Guinea-Bissau |
| 119.I9 | Ivory Coast. Côte d'Ivoire |
| 119.K4 | Kenya |
| 119.L45 | Lesotho |
| 119.L49 | Liberia |
| 119.L74 | Libya |
| 119.M28 | Madagascar |
| 119.M3 | Malawi |
| 119.M34 | Mali |
| 119.M39 | Mauritania |
| 119.M6 | Morocco |
| 119.M85 | Mozambique |
| | Namibia see T1b 119.S68 |
| 119.N53 | Niger |
| 119.N54 | Nigeria |
| 119.N6 | Nile River Valley |
| 119.R45 | Rhodesia, Southern. Zimbabwe |
| 119.R9 | Rwanda |
| 119.S18 | Sahel |
| 119.S38 | Senegal |
| 119.S5 | Sierra Leone |
| 119.S59 | Somalia |
| 119.S6 | South Africa |
| 119.S64 | Southern Africa |
| 119.S68 | Southwest Africa. Namibia |
| 119.S73 | Sub-Saharan Africa |
| 119.S74 | Sudan |
| 119.S87 | Swaziland |
| 119.T35 | Tanzania |
| 119.T64 | Togo |
| 119.T8 | Tunisia |
| 119.U4 | Uganda |
| 119.U66 | Upper Volta |
| 119.W48 | West Africa |
| 119.Z3 | Zaire. Congo (Democratic Republic) |
| 119.Z34 | Zambia |
| | Zimbabwe see T1b 119.R45 |
| | Indian Ocean islands |
| 120 | General works |
| 120.5.A-Z | Special islands, A-Z |
| 120.5.M38 | Mauritius |
| 120.5.R48 | Réunion |
| | Australasia |
| 120.7 | General works |
| | Australia |
| 121 | General works |
| 122.A-Z | Local or special, A-Z |
| | New Zealand |
| 122.5 | General works |
| 122.6.A-Z | Local or special, A-Z |
| 122.7 | Papua New Guinea |

| | |
|---------|----------------------|
| | Pacific Islands |
| 123 | General works |
| 124.A-Z | By island, A-Z |
| | Arctic regions |
| 124.2 | General works |
| 124.25 | Greenland |
| 124.3 | Antarctica |
| 124.4 | Tropics |
| 124.5 | Developing countries |

| | |
|-----------|---|
| | Special exhibitions |
| | Guidebooks |
| .A1 | Official |
| .A2A-.A2Z | Others, A-Z |
| | Histories and descriptions |
| .B1 | General works |
| .B2 | General special |
| .C1 | Collections of pictures, views, etc. |
| | Official publications |
| | Acts of incorporation, rules, organization, etc. |
| .D1 | General works |
| .D13 | Translations of acts |
| | Rules, regulations, etc. |
| .D15 | General works |
| .D17 | Translations of rules, regulations, etc. |
| .D2 | General reports, proceedings, etc., of governing board |
| .D25 | Reports of national (government) commission |
| .D3 | General reports of special boards, commissions, etc. |
| .D4 | Congressional hearings and reports of national government on appropriations, etc. By date |
| .D5 | Special reports. By date |
| | General catalogs |
| .D6 | Official. By date |
| .D7 | Nonofficial |
| | Subarranged by author |
| .D8 | Reports and awards of jurors |
| .D9 | Miscellaneous printed matter |
| .E1 | Official comprehensive reports on the exhibits by editorial commissions, etc. By date |
| .E1A-.E1Z | General official reports of other countries on exhibitions |
| | For their own exhibits see T2 .G1 |
| | Exhibits of the country in which the exhibition is held |
| .F1 | Collective |
| | Class here general only; special with subject |
| .F2 | Government exhibit |
| .F3 | State exhibits, etc. |
| .G1 | Exhibits of other countries |
| | Cf. T2 .E1A+ General official reports on exhibitions |
| .H1 | Parts of the exposition |
| | Works on various exhibits which cannot well be classified with any one subject, e. g. a work on an educational exhibit goes in class L, Education, subdivision Exhibits, but a work on Machinery hall is classed here |
| .K1 | Exhibits arranged by names of exhibitors |
| | Works on various exhibits which cannot well be classified with any one subject, e. g. a work on an educational exhibit goes in class L, Education, subdivision Exhibits, but a work on Machinery hall is classed here |
| .L1 | Miscellaneous |
| | Other than .A1-.K1 |
| .N1 | Congresses. General reports |

| | |
|-----------|---|
| | General works, histories, etc. |
| .xA2-.xA5 | Official works |
| .xA6-.xZ | By author, A-Z |
| .x1 | Regular reports of the fire department or fire commissioner, chief engineer, superintendent, fire
marshall, etc. |
| .x2 | Special bureau reports. Fire patrol bureau reports |
| .x3 | Special reports and petitions. By date |
| .x4 | Reports of commissions, committees, investigations. By date |
| | Laws, ordinances, regulations |
| | see KFA+ |
| .x6 | Manuals and lists of alarm stations or boxes |
| .x65 | Examinations. Admission to fire service (Civil service, etc.) |
| .x68 | Pensions, relief, etc. |
| | Fire companies. Conventions, etc. |
| .x7 | General works |
| .x71 | Paid companies. History, etc. |
| .x74 | Volunteer companies. Constitution, by-laws, history, etc. |
| .x77 | Veteran associations |
| .x8 | Local fire equipment. Engines, enginehouses, etc. |
| .x9 | Various unofficial publications |

| | |
|-----------|---|
| | General works, histories, etc. |
| .xA2-.xA5 | Official works |
| .xA6-.xZ | By author, A-Z |
| .x01 | Regular reports of the fire department or fire commissioner, chief engineer, superintendent, fire
marshall, etc. |
| .x02 | Special bureau reports. Fire patrol bureau reports |
| .x03 | Special reports and petitions. By date |
| .x04 | Reports of commissions, committees, investigations. By date |
| | Laws, ordinances, regulations |
| | see KFX |
| .x06 | Manuals and lists of alarm stations or boxes |
| .x065 | Examinations. Admission to fire service (Civil service, etc.) |
| .x068 | Pensions, relief, etc. |
| | Fire companies. Conventions, etc. |
| .x07 | General works |
| .x071 | Paid companies. History, etc. |
| .x074 | Volunteer companies. Constitution, by-laws, history, etc. |
| .x077 | Veteran associations |
| .x08 | Local fire equipment. Engines, enginehouses, etc. |
| .x09 | Various unofficial publications |

| | |
|--------|---|
| .A1 | General works |
| .A3-.Z | Special regions or countries, A-Z |
| | <i>Under each country:</i> |
| | .x <i>General works</i> |
| | .x2A-.x2Z <i>Special divisions, A-Z</i> |
| | .x3A-.x3Z <i>Special cities, A-Z</i> |

| | | |
|-----------|--|-----|
| T4a | TABLE FOR CUTTER-NUMBER COUNTRIES, STATES, ISLANDS, ETC. | T4a |
| .x | General works | |
| .x2A-.x2Z | Local, A-Z | |

T4b

TABLE FOR CUTTER-NUMBER COUNTRIES

T4b

.x
.x2A-.x2Z

General works
Special. By city, A-Z

| | | |
|-----|---|----|
| T5 | TABLE FOR HISTORY OF PATENTS (1 NUMBER REGIONS OR COUNTRIES) | T5 |
| .A2 | Periodicals | |
| .B2 | Specifications | |
| .C2 | Lists other than regular periodicals | |
| .D7 | Indexes to patents | |
| .F4 | Classification | |
| .H3 | Annual reports (Patent Office) | |
| .J4 | Special reports (Patent Office) | |
| .P2 | General works (Patent Office) | |
| .U3 | Designs and models | |
| .V1 | Periodicals (Trademarks) | |
| .V2 | General works (Trademarks) | |
| .V3 | Registers. Lists (Trademarks) | |
| | Including lists of trademarks for special products and industries | |

| | |
|----|---|
| A2 | Periodicals |
| B2 | Specifications |
| C2 | Lists other than regular periodicals |
| D7 | Indexes to patents |
| F4 | Classification |
| H3 | Annual reports (Patent Office) |
| J4 | Special reports (Patent Office) |
| P2 | General works (Patent Office) |
| U3 | Designs and models |
| V1 | Periodicals (Trademarks) |
| V2 | General works (Trademarks) |
| V3 | Registers. Lists (Trademarks) |
| | Including lists of trademarks for special products and industries |

INDEX

NUMERALS

3-D films: TR854
 3-D printing
 Industrial design: TS171.95
 3-D television: TK6658
 3-D video
 Digital video: TK6680.8.A15
 3ds max
 Computer animation: TR897.72.A14

A

Abbreviations
 Industrial engineering: T55.52
 Technology: T8
 Ablative materials
 Engineering: TA418.9.A25
 Abrading machinery
 Machine shops: TJ1280+
 Abrasion
 Aircraft propellers: TL706.A2
 Abrasives
 Abrading machinery: TJ1296+
 Engineering materials: TA455.A3
 Mining engineering: TN936
 ABS resins
 Plastics: TP1180.A15
 Absinthe
 Distilled liquors: TP607.A27
 Absorption of gases
 Chemical engineering: TP156.A3
 Abstract photography: TR656
 Abutments
 Bridges: TG325
 Buildings: TH2255
 Acabion automobiles: TL215.A235
 Accelerator-driven systems
 Nuclear engineering: TK9203.A28
 Accelerometers
 Aeronautical instrument: TL589.2.A3
 Acceptance sampling
 Production management: TS156.4
 Access control
 Internet: TK5105.8855
 Access for people with disabilities
 House remodeling: TH4816.15
 Transportation engineering: TA1285
 Access to airports: TL725.3.A2
 Accident prevention
 Building construction: TH443
 Accident prevention, Industrial: T55+
 Accidents
 Aeronautics: TL553.5+
 Balloons: TL612
 Chemical technology: TP150.A23
 Metallurgical plants: TN676.A1+

Accidents
 Nuclear engineering: TK9152+
 Petroleum pipelines: TN879.55
 Accidents, Bridge: TG470
 Accounting machines: TK4100+
 Accounts, Household: TX326.A1+
 Accumulators in central stations
 Dynamoelectric machinery: TK2891
 Accuracy of fitting
 Machine shop practice: TJ1167
 Acetal resins
 Plastics: TP1180.A33
 Acetates
 Chemical technology: TP248.A17
 Environmental pollutants: TD196.A2
 Acetic acid
 Chemical technology: TP248.A18
 Environmental pollutants: TD196.A22
 Acetone
 Chemical technology: TP248.A2
 Acetylene automobiles: TL229.A25
 Acetylene industry: TP765+
 Acid Bessemer process
 Steel metallurgy: TN737
 Acid deposition
 Environmental pollution: TD195.4+
 Water pollutants: TD427.A27
 Acid mine drainage
 Water pollutants: TD427.A28
 Acid open hearth process
 Steel metallurgy: TN741
 Acid precipitation
 Environmental pollution: TD195.4+
 Acid rain
 Environmental pollution: TD195.4+
 Acids: TP213+
 Chemical technology: TP247.2
 Food additives: TP456.A2
 Acorns
 Cooking: TX814.2.A25
 Food values: TX558.A3
 Acoustic holography: TA1550
 Acoustic surface wave devices: TK5981.55
 Acoustic systems and instruments
 Telegraph: TK5521+
 Acoustical engineering: TA365+
 Acoustical materials
 Building construction: TH1727
 Acoustical properties and tests
 Engineering materials: TA418.84
 Acoustical telemetry: TK5103.52
 Acoustics
 Chemical engineering: TP156.A33
 Engineering: TA365+
 Acoustooptical devices: TA1770
 Acoustooptics, Applied: TA1770

INDEX

- Acridines
 - Chemical technology: TP248.A28
- Acrobats
 - Photographic portraits: TR681.A26
- Acrylic acid
 - Chemical technology: TP248.A4
- Acrylic resins
 - Plastics: TP1180.A35
- Acrylic textile fibers: TS1548.7.A25
- Acrylonitrile
 - Air pollutants: TD887.A37
- Activated sludge
 - Sewage treatment: TD767.7
- Activated sludge method
 - Sewage treatment: TD756
- Active noise control
 - Electroacoustics: TK5981.5
- Active server pages
 - Web authoring software: TK5105.8885.A26
- ActiveX
 - Web authoring software: TK5105.8885.A28
- Actors
 - Photographic portraits: TR681.A28
- Actuators
 - Aircraft engines: TL702.A37
 - Control engineering: TJ223.A25
- Ad hoc networks: TK5105.77
- Adaptive antennas: TK7871.67.A33
- Adaptive control systems
 - Mechanical engineering: TJ217
- Adaptive routing
 - Computer networks: TK5105.54873.A33
- Additions
 - House remodeling: TH4816.2
- Additives
 - Cement manufacture: TP884.A3
 - Explosives: TP291
 - Food constituent: TX553.A3
 - Plastics: TP1142
- Adhesive joints, Metal: TA492.A3
- Adhesives
 - Engineering materials: TA455.A34
 - Organic chemical industries: TP967+
 - Packaging materials: TS198.3.A3
- Adhesives, Wood: TS857
- Adiabatic engines: TJ763
- Adjustable pitch aircraft propellers: TL707.P5
- Adjustment tables
 - Freight: TF666
- Adobe
 - Housing material: TH4818.A3
- Adobe After effects
 - Computer animation: TR897.72.A335
- Adobe Animate CC
 - Computer animation: TR897.72.A338
- Adobe brick
 - Chemical technology: TP832.A35
- Adobe Camera Raw: TR267.5.A25
- Adobe Edge animate
 - Computer animation: TR897.72.A34
- Adobe GoLive
 - Web authoring software: TK5105.8885.A34
- Adobe InDesign
 - Web authoring software: TK5105.8885.A35
- Adobe Muse
 - Web authoring software: TK5105.8885.A355
- Adobe PageMill
 - Web authoring software: TK5105.8885.A36
- Adobe Photoshop: TR267.5.A3
 - Web authoring software: TK5105.8885.A38
- Adobe Photoshop elements: TR267.5.A33
- Adobe Photoshop lightroom: TR267.5.A355
- Adsorption
 - Chemical engineering: TP156.A35
 - Sewage purification: TD753.5
 - Water purification: TD449.5
- Adulterants
 - Detection in food: TX563
 - Food: TX562.2+
- Adulteration
 - Food: TX562.2+
 - Food supply: TX501+
 - Wine and winemaking: TP548.5.A38
- Advanced Communications Technology Satellite: TK5104.2.A38
- Advent
 - Cooking: TX739.2.A48
- Advertising
 - Use of airplanes: TL722.5
- Advertising cinematography
 - Photography: TR894.6
- Advertising photography: TR690.4
- Advice to sitters
 - Portrait photography: TR577
- Aerated package treatment systems
 - Sewage disposal systems: TD779
- Aeration
 - Food processing: TP371.15
 - Sewage disposal: TD758
 - Water purification: TD458
- Aerial lines
 - Electric power: TK3231+
 - Telephone connections: TK6352
- Aerial photography: TR810
 - Railroad surveying: TF213.5
- Aerial surveying: TA592+
- Aerial surveys
 - Location engineering: TE209.5
- Aerial tramways
 - Conveying machinery: TJ1386
 - Mines: TN332
- Aerobatics: TL711.S8
- Aerodromes: TL725+
- Aerodynamic heating: TL574.A45

INDEX

- Aerodynamics
 - Aeronautics: TL570+
 - Engineering: TA358
 - Motor vehicle dynamics: TL245
 - Turbomachinery: TJ267
 - Vehicles: TA359
- Aeroelasticity
 - Aerodynamics: TL574.A37
- Aerofoils
 - Aerodynamics: TL574.A4
- Aeronautical engineering: TL500+
- Aeronautical instruments: TL589+
- Aeronautical laboratories: TL566+
- Aeronautical meteorology: TL556+
- Aeronautics: TL500+
 - Environmental effects: TD195.A27
- Aeronautics as a vocation: TL561
- Aeronauts
 - Balloons: TL620.A1+
- Aeroservoelasticity
 - Aerodynamics: TL574.A44
- Aerosols
 - Chemical technology: TP244.A3
 - Fire prevention and extinction: TH9446.A37
 - Packaging: TS198.A3
- Aerospace industries
 - Air pollution: TD888.A53
- Aerostatics: TL578
- Aerostation
 - Aircraft: TL605+
- Aerosteam engines: TJ727
- Aerothermodynamics: TL574.A45
- Aesthetics
 - Dress: TT507
 - Photography: TR183
- Afghans
 - Photographic portraits: TR681.A32
- African American cooking: TX715.2.A47
- African Americans
 - Nutrition: TX361.A27
- Africans
 - Photographic portraits: TR681.A33
- Afternoon teas
 - Cooking: TX736
- Agar
 - Food processing and manufacture: TP445.5.A35
- Agates
 - Mineral industries: TN997.A35
- Agfa cameras
 - Photography: TR263.A35
- Aggregate industry
 - Environmental effects: TD195.A33
- Aggregates
 - Masonry materials: TA441
 - Prospecting: TN271.A47
- Agricultural chemicals
 - Environmental pollutants: TD196.A34
- Agricultural chemicals
 - Soil pollutants: TD879.A35
 - Water pollutants: TD427.A35
- Agricultural laborers
 - Nutrition: TX361.A4
- Agricultural machinery
 - Internal combustion engines: TJ793
 - Mechanical engineering: TJ1480+
- Agricultural photography: TR739+
- Agricultural wastes
 - Disposal and drainage: TD930+
- Agriculture
 - Air pollution: TD888.A54
 - Electric power: TK4018
 - Electronics: TK7882.A37
 - Energy conservation: TJ163.5.A37
 - Environmental effects: TD195.A34
 - Water pollution: TD428.A37
- AIDS patients
 - Photographic portraits: TR681.A38
- Ailerons
 - Airplanes: TL677.A5
- AIM 65 computer: TK7889.A37
- Air bags
 - Automobiles: TL159.5
- Air brakes
 - Automobiles: TL269.2
- Air, Compressed
 - In plumbing testing: TH6617
- Air compressors
 - Pneumatic machinery: TJ990+
- Air conditioning
 - Airplanes: TL681.A5
 - Buildings: TH7687+
 - Electric power: TK4035.A35
 - Motor vehicles: TL271.5
 - Railroad cars: TF453
- Air conditioning equipment
 - Transportation engineering: TA1280
- Air conditioning from central stations: TH7687.75
- Air-cooled engines: TJ766.7
- Air currents
 - Aeronautical meteorology: TL557.A5
- Air curtains
 - Ventilation of buildings: TH7683.A25
- Air cushion landing systems
 - Airplanes: TL683.A35
- Air ducts
 - Airplanes: TL697.A57
 - Ventilation of buildings: TH7683.D8
- Air filters
 - Gasoline automobiles: TL214.A4
 - Ventilation of buildings: TH7683.A3
- Air frames
 - Airplanes: TL671.6
- Air-fuel ratio
 - Machinery: TJ254.52

INDEX

Air guns
 Manufactures: TS537.5
 Air inlets
 Jet engines: TL709.5.I5
 Air intakes
 Jet engines: TL709.5.I5
 Air jets
 Pneumatic machinery: TJ1030
 Air meets
 Airplanes: TL721.5+
 Gliders: TL760.5
 Air meters
 Pneumatic machinery: TJ1025+
 Air navigation: TL586+
 Air pilot guides: TL725+
 Air pollution control: TD881+
 Air pollution control equipment: TD889
 Air pollution, Indoor: TD883.17
 Air pollution sources: TD888.A+
 Air preheating
 Furnaces: TJ328
 Air pumps
 Pneumatic machinery: TJ955
 Air quality, Indoor: TD883.17
 Air safety: TL553.5+
 Air sampling and analysis: TD890
 Air-speed indicators: TL589.2.A5
 Air-supported structures
 Building construction: TH1099
 Air suspensions
 Motor vehicles: TL257.3
 Air transportation
 Environmental effects: TD195.A27
 Technological aspects: TL720+
 Air turbines: TJ766.5
 Air vents
 Hot water heating: TH7545
 Hydronic systems: TH7479
 Steam heating: TH7595
 Air washers
 Ventilation of buildings: TH7683.A3
 Airbrakes
 Railroad cars: TF420+
 Airbrush work
 Photographic processing: TR485
 Airbus (Aircraft manufacturer): TL686.A43
 Aircraft: TL600+
 Aircraft bird strikes
 Aeronautics: TL553.54
 Aircraft carriers: TL725.8, TL726+
 Aircraft engines: TL701+
 Aircraft exhaust emissions
 Air pollutants: TD886.7
 Aircraft, Human powered: TL769
 Airlift pumps
 Hydraulic machinery: TJ925
 Airplane accessories: TL688+

Airplane industry
 Technical aspects: TL724+
 Airplane materials: TL688+
 Airplanes: TL669.2+
 Government use: TL723
 Humanitarian uses: TL722.8
 Noise control: TD893.6.A57
 Photography: TR714
 Airplanes in industry: TL722+
 Airport aprons: TL725.3.A59
 Airport buildings
 Aeronautics: TL725.3.B8
 Airports
 Access: TL725.3.A2
 Aeronautics: TL725+
 Environmental effects: TD195.A36
 Fire prevention and extinction: TH9445.A5
 Government operation and support: TL725.3.G6
 Intra-airport transportation: TL725.3.I6
 Size: TL725.3.S5
 Airscrews
 Aeronautical engineering: TL705+
 Airships: TL650+
 Airspeed
 Airplanes: TL711.A5
 Airtight construction
 Building construction: TH1719
 Airways (Routes): TL725+
 Airworthiness requirements
 Airplanes: TL671.1
 Ajax (Web authoring software): TK5105.8885.A52
 Akron (Airship): TL659.A4
 Alabaster
 Mineral industries: TN989.A3
 Alarm equipment
 Security in buildings: TH9739
 Alarms
 Installation in houses: TK7241+
 Albertype
 Photography: TR933
 Alcohol
 Chemical technology: TP500+
 Distilling: TP593
 Food values: TX560.A3
 Alcohol and alcohol mixtures
 Fuel: TP358
 Alcohol automobiles: TL217
 Alcohol motors: TJ800
 Alcoholic beverages
 Adulteration: TX597
 Cooking: TX726+
 Alcohols
 Chemical technology: TP248.A5
 Aldehydes
 Chemical technology: TP248.A53
 Ale
 Brewing and malting: TP578

INDEX

- Alfa Romeo automobiles: TL215.A35
- Algae and algae products
 - Food processing and manufacture: TP445+
- Algae as food
 - Nutrition: TX402
- Algae control by copper sulfate
 - Water purification: TD465
- Algal biotechnology: TP248.27.A46
- Algin
 - Food processing and manufacture: TP445.5.A45
- Alignment of machinery
 - Mechanical engineering: TJ177.5
- Alizarin
 - Textile dyes: TP918.A4
- Alizarin black
 - Textile dyes: TP918.N2
- Alkali metals
 - Metallography: TN693.A4
- Alkalies: TP222+
 - Mining engineering: TN895+
- Alkenes
 - Chemical technology: TP248.A554
- Alkylation
 - Petroleum refining: TP690.45
- All terrain vehicle driving: TL235.7
- All terrain vehicles: TL235.6+
- Allanite
 - Mining engineering: TN948.A5
- Allene
 - Chemical technology: TP248.A555
- Allergens
 - Chemical biotechnology: TP248.65.A39
- Alligator
 - Cooking: TX749.5.A44
- Allocation method
 - Linear programming: T57.77
- Allowances, Time
 - Industrial engineering: T60.45
- Alloys
 - Aeronautics: TL699.A58
 - Electroplating: TS693
 - Engineering materials: TA483+
 - Industrial electrochemistry: TP261.A1
 - Manufactures: TS650
 - Metallography: TN693.A+
 - Motor vehicle construction materials: TL240.5.A46
 - Precious metals: TS729
- Allyl compounds
 - Chemical technology: TP248.A56
- Almonds
 - Cooking: TX814.2.A44
- Alpha-bearing wastes
 - Radioactive waste disposal: TD898.7.A46
- Alpha iron
 - Metallurgy: TN709
- Alphabets
 - Embroidery: TT773
- Alsatian cooking: TX719.2.A45
- AltaVista: TK5105.885.A45
- Alterations
 - Women's tailoring: TT550
- Altered books
 - Decorative crafts: TT896.3
- Alternating current
 - Dynamolectric machinery: TK2825+
 - Electrical engineering: TK454.15.A48
- Alternating-current engineering
 - Electrical engineering: TK1141+
- Alternating-current generators: TK2761+
- Alternating-current machinery
 - Dynamolectric machinery: TK2711+
- Alternating-current motors
 - Dynamolectric machinery: TK2781+
- Alternating-current systems
 - Electric lighting: TK4304
 - Electrical engineering: TK3141+
- Alternating-current transforming machinery: TK2791+
- Alternative fuel vehicles: TL216.5
- Altimeter
 - Aeronautical instrument: TL589.2.A6
 - Aeronautical navigation: TL696.H4
- Altitude flights, Special
 - Airplanes: TL711.A7
- Altitude flying
 - Airplanes: TL711.A6
- Alumina cement
 - Cement manufacture: TP884.A48
- Aluminium process
 - Photolithography: TR950
- Aluminum
 - Aeronautics: TL699.A6
 - Chemical technology: TP245.A4
 - Effect on food: TX572.A6
 - Electroplating: TS692.A5
 - Engineering materials: TA480.A6
 - Manufactures: TS554+
 - Metal finishing: TS694.2
 - Metallography: TN693.A5
 - Metallurgy: TN775
 - Mining: TN490.A5
 - Motor vehicle construction materials: TL240.5.A48
 - Ore dressing and milling: TN538.A55
 - Powder metallurgy: TN697.A47
 - Structural engineering: TA690
 - Waste disposal: TD812.5.A48
 - Water pollutants: TD427.A45
- Aluminum alloys
 - Aeronautics: TL699.A6
 - Engineering materials: TA479.A4
 - Metallurgy: TN775
 - Structural engineering: TA690
- Aluminum conductors
 - Electric power: TK3311.A6
- Aluminum foil craft: TT242

INDEX

- Aluminum industry
 - Environmental effects: TD195.A37
 - Waste control: TD899.A44
- Aluminum mines and mining
 - Water pollution: TD428.A48
- Aluminum plants
 - Air pollution: TD888.A56
 - Manufactures: TS556
- Aluminum roofing
 - Building construction: TH2459
- Aluminum work
 - Handicrafts: TT242
- Alunite
 - Mining engineering: TN948.A6
- Amalgamation
 - Gold and silver metallurgy: TN763
- Amateur cinematography: TR896+
- Amateur experiments
 - Astronautics: TL794.3
- Amateur photography for profit: TR690.2
- Amateurs' manuals
 - Electricity: TK9900+
 - Home computer networks: TK5105.75
 - House construction: TH4815
 - House repair: TH4817.3
- Ambary hemp
 - Textile fiber: TS1544.A5
- Amber
 - Jewelry work: TS755.A5
 - Mining engineering: TN885
- Ambrotype
 - Photography: TR370
- Ambulances: TL235.8
- Americium
 - Metallography: TN693.A54
- Amino acids
 - Biotechnology: TP248.65.A43
 - Chemical technology: TP248.A6
 - Food constituent: TX553.A5
- Aminoplastics
 - Plastics: TP1180.A5
- Ammeters: TK331
- Ammonia
 - Air pollutants: TD887.A66
 - Alkalies: TP223
- Ammonia compounds
 - Alkalies: TP223
- Ammonia industry
 - Environmental effects: TD195.A44
- Ammonium nitrate fuel oil
 - Explosives: TP290.A5
- Ammonium phosphate
 - Fertilizers: TP963.4.A38
- Ammonium sulfate
 - Fertilizers: TP963.4.A4
- Ammunition
 - Manufactures: TS538+
- Amorphous semiconductors: TK7871.99.A45
- Amorphous substances
 - Engineering: TA418.9.A58
- Ampere-hour meters: TK331
- Amphibians
 - Seaplanes: TL684.1
- Amphibious vehicles: TL235.63
- Amphitheaters
 - Environmental effects: TD195.S68
- Amplifiers
 - Computer engineering: TK7895.A5
 - Electronics: TK7871.2+
 - Radar: TK6590.A5
 - Radio: TK6565.A55
 - Television: TK6655.A5
- Amusement machines
 - Mechanical engineering: TJ1570
- Amylodextrins
 - Biotechnology: TP248.65.A45
- Anaerobic treatment
 - Sewage treatment: TD756.45
- Analog computers: TK7888
- Analog-to-digital converters
 - Computer engineering: TK7887.6
- Analogs
 - Mathematical models: TA343
- Analysis
 - Food composition: TX541+
 - Gas industry: TP754
 - Pollution measurement: TD193+
 - Sewage: TD735
 - Water: TD380+
 - Wine and winemaking: TP548.5.A5
 - Woodpulp: TS1176.6.A5
- Analysis, Chemical
 - Food adulterants: TX569
- Analysis, Microscopic
 - Food adulterants: TX567
- Analysis, Root cause: TA169.55.R66
- Anchor
 - Balloons: TL625.A6
- Anchorage
 - Structural engineering: TA772
- Anchors, Guy: TA777
- Anchovies
 - Cooking: TX748.A53
- Ancient light
 - Natural lighting: TH7792
- Ancient pumps
 - Hydraulic machinery: TJ901
- Andirons
 - Building construction: TH7427.A5
- Anechoic chambers: TA365.5
- Angle measurement
 - Surveying: TA603
- Angle of incidence
 - Airplanes: TL673.A6

INDEX

- Angles
 - Structural engineering: TA660.A53
- Angles, Metal
 - Engineering materials: TA492.A6
- Anhydrite
 - Mining engineering: TN948.A65
- Aniline black
 - Textile dyes: TP918.A5
- Aniline dyes: TP914
- Animal cell biotechnology: TP248.27.A53
- Animal fats
 - Chemical technology: TP676
- Animal feeds and feed mills: TS2284+
- Animal fibers
 - Textile industries: TS1545+
- Animal motors: TJ830
- Animal oils
 - Chemical technology: TP676
- Animal products
 - Manufactures: TS1950+
- Animal waste
 - Rural engineering: TD930.2
- Animals
 - Nature photography: TR727+
- Animated motion pictures
 - Cinematography: TR897.5+
- Annealing
 - Steel metallurgy: TN752.A5
- Annular gears
 - Toothed gears: TJ191
- Annunciators
 - Installation in houses: TK7221
- Anodic oxidation
 - Metal finishing: TS694+
- ANSYS
 - Computer-aided engineering: TA345.5.A57
- Antenna arrays: TK7871.67.A77
- Antennas
 - Aircraft communication equipment: TL694.A6
 - Electronics: TK7871.6+
 - Lens antennas: TK7871.67.L45
 - Radar: TK6590.A6
 - Radio: TK6565.A6
 - Television: TK6655.A6
- Anthracene dyes: TP915
- Anthracite
 - Mining: TN820+
- Anthraquinones
 - Textile dyes: TP918.A6
- Antibiotic residues
 - Effect on food: TX571.A58
- Antibiotics
 - Biotechnology: TP248.65.A57
 - Food constituent: TX553.A7
- Antifoaming agents
 - Chemical technology: TP159.A47
- Antifreeze solutions
 - Chemical technology: TP362
- Antifriction devices
 - Machinery: TJ1071
- Antilock brake systems
 - Motor vehicles: TL269.3
- Antimicrobial polymers
 - Plastics: TP1180.A58
- Antimony
 - Chemical technology: TP245.A6
 - Metallurgy: TN799.A6
 - Ore deposits and mining: TN490.A6
 - Ore dressing and milling: TN538.A57
- Antioxidants
 - Chemical technology: TP159.A5
 - Food constituent: TX553.A73
- Antiperspirants: TP985
- Antiquities
 - Aeronautical engineering: TL516
 - Astronautics: TL516
 - Railroad engineering: TF16
- Antibiotics
 - Chemical technology: TP248.A62
- Apache (Web authoring software): TK5105.8885.A63
- Apartment houses
 - Construction: TH4820
 - Electric power: TK4035.A6
 - Fire prevention and extinction: TH9445.A62
 - Heating and ventilation: TH7392.A6
 - Housekeeping: TX957+
 - Plumbing: TH6515.A6
 - Sanitary engineering: TH6057.A6
 - Ventilation: TH7684.A6
- Apatite
 - Mining engineering: TN948.A7
- Aperture: TR267.5.A64
- Aphrodisiac cooking: TX814.5.A75
- Aphrodisiacs
 - Cooking: TX814.5.A75
- Apollo project: TL789.8.U6A5
- Apparatus
 - Acetylene industry: TP769
 - Chemical engineering: TP157+
 - Electronics: TK7869+
 - Fermentation industries: TP517
 - Radar: TK6585+
 - Television: TK6650+
 - Wine and winemaking: TP548.5.A6
- Apparatus and supplies
 - Computer networks: TK5105.53+
- Apparatus for delivering goods during flight: TL733
- Apparatus for picking up goods during flight: TL733
- Apple brandy
 - Distilled liquors: TP607.A57
- Apple butter
 - Cooking: TX767.A65
- Apple II computer: TK7889.A66

INDEX

- Apple IIe computer: TK7889.A663
- Apple juice, Unfermented: TP564
- Apple parers
 - Cooking: TX657.A66
- Apple TV
 - Digital video: TK6680.8.A66
- Apples
 - Cooking: TX813.A6
 - Food processing: TP441.A6
 - Food values: TX558.A6
 - Preservation and storage: TX612.A6
- AppleTalk: TK5105.8.A77
- Appliances
 - Cooking: TX656+
 - Fire prevention and extinction: TH9245
 - Street cleaning: TD860
- Application-specific integrated circuits
 - Electronics: TK7874.6
- Applications of astronomy
 - Surveying: TA597
- Applied acoustooptics: TA1770
- Applied cinematography: TR892+
- Applied dynamics: TA352+
- Applied electrooptics: TA1750+
- Applied fiber optics: TA1800+
- Applied fluid mechanics: TA357+
- Applied forces, Behavior of materials under: TA404.8+
- Applied geology: TN260
- Applied holography: TA1540+
- Applied mathematics
 - Industrial engineering: T57+
- Applied mechanics: TA349+
- Applied mineralogy: TN260
- Applied neutron optics: TA1773
- Applied optics: TA1501+
- Applied photography: TR623.2+
- Applied plasma dynamics: TA2001+
- Applied statics: TA351
- Applied X-ray optics: TA1775
- Appliqué
 - Decorative needlework: TT779
- Appraisal
 - Hotels, clubs, restaurants, etc.: TX911.3.V34
- Approach channels
 - Harbor engineering: TC352
- Appropriation (Art)
 - Artistic photography: TR689.5
- Approximations
 - Engineering mathematics: TA335
- Appurtenances
 - Low-pressure hot water heating: TH7529
 - Warm-air heating: TH7623+
- Apricots
 - Cooking: TX813.A64
- Aprons
 - Women's tailoring: TT546.5
- Aprons, Airport: TL725.3.A59
- Aquaculture
 - Water pollution: TD428.A68
- Aquatic pests
 - Water pollution: TD427.A68
- Aquavit
 - Distilled liquors: TP607.A6
- Aqueducts
 - Water supply: TD398
- Aquifer storage recovery of groundwater: TD404.5
- 'Arabsāt (Artificial satellite): TK5104.2.A72
- Arc lamps and systems: TK4321+
- Arc lighting, Electric: TK4311+
- Archaeological photography: TR775
- Archaeology, Space
 - Astronautics: TL788.6
- Arched bridges: TG327+
- Arches
 - Building design and construction: TH2150+
 - Structural engineering: TA660.A7
- Arches, Centering of
 - Building construction: TH5591
- Architects
 - Photographic portraits: TR681.A67
- Architectural ceramics
 - Chemical technology: TP825+
- Architectural engineering
 - Building construction: TH845+
 - Environmental effects: TD195.C595
 - Wooden buildings: TH1111
- Architectural metalwork
 - Building construction: TH1651+
- Architectural photography: TR659
- Architectural woodwork
 - Building construction: TH1151+
- Architecture Analysis and Design Language
 - Computer-aided engineering: TA345.5.A73
- Archive buildings
 - Fire prevention and extinction: TH9445.A7
- Archives, Technical: T11.9
- Areaways
 - Building design and construction: TH3000.A74
- Argillite
 - Mining engineering: TN948.A76
- Argon
 - Chemical technology: TP245.A7
- Argus cameras
 - Photography: TR263.A7
- Ariel motorcycle: TL448.A47
- Aristotypes
 - Photographic process: TR395
- Arithmetic units
 - Computer engineering: TK7895.A65
- Armature winding and armatures
 - Generators: TK2477
- Armed Forces
 - Environmental effects: TD195.A75

INDEX

- Arnold's fluid
 - Ink manufacture: TP948.A8
- Aromatic compounds
 - Chemical technology: TP248.A7
 - Environmental pollutants: TD196.A75
- ARPANET
 - Computer networks: TK5105.875.A77
- Arrangement
 - Dining room: TX857
 - Kitchen: TX655
 - Table: TX873
 - The house: TX309
- Arrays
 - Antennas: TK7871.67.A77
- Arriflex motion picture camera: TR883.A77
- Arsenals
 - Waste control: TD899.A76
- Arsenic
 - Chemical technology: TP245.A8
 - Effect on food: TX572.A77
 - Environmental pollutants: TD196.A77
 - Ore deposits and mining: TN490.A8
 - Water pollutants: TD427.A77
- Arsenic wastes
 - Waste disposal: TD898.8.A76
- Art glazing
 - Decorative furnishings: TH8271+
- Art of dress: TT507
- Artesian wells
 - Water supply: TD410
- Artichokes
 - Cooking: TX803.A7
- Articles for children
 - Handicrafts: TT174+
- Articles made of glass: TP865+
- Artificial diamonds: TP873.5.D5
- Artificial dyes: TP913+
- Artificial fire testing
 - Building construction: TH1091+
- Artificial flowers
 - Decorative crafts: TT890+
- Artificial fruits
 - Decorative crafts: TT896
- Artificial fuel: TP360
- Artificial fur
 - Manufactures: TS1070
- Artificial gems
 - Chemical technology: TP873+
- Artificial horizons
 - Aeronautical instrument: TL589.2.A78
- Artificial indigo
 - Dyes: TP924
- Artificial intelligence
 - Engineering mathematics: TA347.A78
- Artificial islands
 - Air conditioning: TH7688.O44
- Artificial light
 - Photographic processing: TR333
 - Photography: TR600
- Artificial lighting
 - Building construction: TH7900+
 - Photography: TR590+
- Artificial materials
 - Masonry materials: TA431+
- Artificial mineral waters: TP625
- Artificial minerals
 - Chemical technology: TP870
- Artificial recharge
 - Groundwater: TD404
- Artificial satellite orbits: TL1080
- Artificial satellites: TL796+
 - Aeronautical navigation: TL696.A77
 - Earth: TL796.6.E2
 - Moon: TL796.6.M66
 - Sun: TL796.6.S8
- Artificial satellites in telecommunication
 - Electrical engineering: TK5104+
- Artificial silk
 - Dyeing: TP902
 - Silk manufactures: TS1688.A1+
- Artificial stone
 - Chemical technology: TP871
- Artificial stone building construction: TH1451
- Artificial sweeteners
 - Effect on food: TX571.S9
- Artificial ventilation
 - Ventilation of buildings: TH7678+
- Artificial wool
 - Woolen manufactures: TS1635
- Artisans
 - Photographic portraits: TR681.A69
- Artistic cinematography: TR892.4
- Artistic photography: TR640+
- Artists
 - Photographic portraits: TR681.A7
- Arts and crafts: TT1+
- Asbestos
 - Aeronautics: TL699.A8
 - Air pollutants: TD887.A8
 - Engineering materials: TA455.A6
 - Environmental pollutants: TD196.A78
 - Fireproofing materials: TH1075
 - Mining engineering: TN930
 - Reinforced plastics: TP1177.5.A8
- Asbestos cement
 - Cement manufacture: TP884.A8
- Asbestos fiber: TS1549.A7
- Asbestos industry
 - Dust removal: TH7697.A8
- Asbestos substitutes
 - Engineering materials: TA455.A62
- Ascensions, Balloon: TL620.A1+

INDEX

- Ascorbic acid
 - Chemical technology: TP248.A8
 - Food constituent: TX553.A8
- Ash-handling machinery
 - Conveying machinery: TJ1410
- Ashes
 - Nonmetallic materials: TA455.A63
 - Waste disposal: TD797
- Ashkenazic style Jewish cooking: TX724.2.A75
- Ashpans
 - Locomotives: TJ647
- Ashpits
 - Railway structures: TF272
- Asians
 - Photographic portraits: TR681.A75
- ASN.1
 - Computer network standard: TK5105.553
- Asparagus: TP444.A8
 - Cooking: TX803.A8
- Aspen
 - Woodpulp industry: TS1176.4.A8
- Asphalt
 - Bituminous pavements: TE275
 - Cementing substance: TA443.A7
 - Engineering materials: TA455.A7
 - Mining engineering: TN853
 - Sidewalks: TE293
- Asphalt block
 - Bituminous pavements: TE276
- Asphalt concrete
 - Cement manufacture: TP884.A85
- Asphalt flooring: TH2529.P5
- Asphalt mixing machinery
 - Bituminous pavements: TE273
- Asphalt plants
 - Air pollution: TD888.A86
- Asphalts
 - Petroleum products: TP692.4.A8
- Aspheric lenses: TS517.5.A86
- Assay laboratories: TN570+
- Assaying
 - Metallurgy: TN550+
- Assaying apparatus: TN575
- Assemblage
 - Crafts: TT910
- Assembling machines
 - Machine shops: TJ1317+
- Assembly line processes
 - Manufacturing engineering: TS178.4+
- Assessment, Technology: T174.5
- Assisi
 - Embroidery: TT778.A87
- Associative storage
 - Computer engineering: TK7895.M4
- Aston Martin automobile: TL215.A75
- ASTRA (Artificial satellite): TK5104.2.A75
- Astrionics: TL3000+
- Astrodynamic: TL1050+
- Astronautical instruments: TL1082
- Astronautics: TL787+
 - Accidents: TL867
 - Research: TL858+
- Astronautics as a profession: TL850+
- Astronautics research
 - Equipment: TL859+
 - Laboratories: TL859+
- Astronauts
 - Mental requirements: TL856
 - Nutrition: TX361.S63
 - Physical requirements: TL856
 - Qualifications: TL855+
- Astronomical charts
 - Space navigation: TL1070
- Astronomy, Applications of
 - Surveying: TA597
- Astronomy for air pilots: TL586+
- Aswan High Dam: TC558.E5A8
- Asylums
 - Fire prevention and extinction: TH9445.A8
- Asymmetric gears
 - Mechanical movements: TJ202
- Asynchronous electronic circuits: TK7868.A79
- Asynchronous motors
 - Alternating-current motors: TK2785
- Asynchronous transfer mode
 - Packet switching: TK5105.35
- AT&T computer: TK7889.A85
- Athletes
 - Nutrition: TX361.A8
 - Photographic portraits: TR681.A84
- Athletic shoes
 - Boot and shoemaking: TS1017
- Atlantic submarine telegraph: TK5611
- Atmospheric deposition
 - Water pollution: TD427.A84
- Atmospheric electricity
 - Aeronautical meteorology: TL557.S65
- Atmospheric entry phenomena
 - Astronautics: TL1060
- Atmospheric railways: TF692
- Atmospheric temperature
 - Aeronautical meteorology: TL557.A8
- Atomic batteries
 - Electrical engineering: TK2965
- Atomic bomb shelters
 - Heating and ventilation: TH7392.A8
- Atomic engines
 - Aircraft engines: TL704.1
- Atomic power
 - Nuclear engineering: TK9001+
- Atomic power plants
 - Environmental effects: TD195.E4
 - Fire prevention and extinction: TH9445.A85
 - Waste control: TD899.A8

INDEX

- Atomic power plants
 - Water pollution: TD428.A86
- Atomizers
 - Chemical technology: TP159.A85
- Atrato Canal: TC788
- Atrazine
 - Water pollutants: TD427.A86
- Attar of roses
 - Organic chemical industries: TP959.R6
- Attenuators
 - Radio: TK6565.A8
- Attics
 - Building design and construction: TH3000.A86
 - House remodeling: TH4816.3.A77
- Attitude control systems
 - Space vehicles: TL3260
- Auctions
 - Wine and winemaking: TP548.5.A93
- Audio amplifiers: TK7871.58.A9
- Audiovisual equipment industry: TS2301.A7+
- Audiovisual photography: TR816
- Auditing, Environmental: TD194.7+
- Auditoriums
 - Electric lighting: TK4399.A9
 - Electric sound control: TK7881.9
- Austenitic steel
 - Engineering materials: TA479.A88
- Auster aircraft: TL686.A77
- Authors
 - Photographic portraits: TR681.A85
- Authorship
 - Aeronautics: TL564.5
 - Cooking: TX644
 - Safety manuals: T55.3.A87
- AutoCAD: T385
 - Computer-assisted drafting: T386.A97
- AutoCAD Civil 3D
 - Computer-aided engineering: TA345.5.A98
- Autoclaves
 - Chemical technology: TP159.A9
- Autodesk Inventor
 - Computer-assisted drafting: T386.A974
- Autodesk Smoke: TR267.5.A965
- Autofocus cameras
 - Photography: TR260.7
- Autogenous soldering
 - Plumbing: TH6691
- Autogiros: TL715
- Autographic
 - Telegraph: TK5545
- Automata
 - Mechanical engineering: TJ210.2+
- Automatic cameras
 - Photography: TR260.5
- Automatic control
 - Aeronautical instruments: TL589.4+
 - Electric power distribution systems: TK3070
- Automatic control
 - Motor vehicle operation: TL152.8
 - Petroleum refining: TP690.3
- Automatic data collection systems
 - Production control: TS158.6
- Automatic flushing systems
 - Cold water supply plumbing: TH6544
- Automatic lines
 - Machine tools: TJ1185.5
- Automatic machinery
 - Mechanical engineering: TJ212+
- Automatic pilots
 - Aeronautical instruments: TL589.5
- Automatic receiving instruments
 - Telegraph: TK5541+
- Automatic sprinkler systems
 - Fire extinction: TH9336
- Automatic stokers
 - Furnaces: TJ345
- Automatic systems
 - Telephone connections: TK6397
- Automatic test equipment
 - Computer engineering: TK7895.A8
- Automatic tracking
 - Radar: TK6592.A9
- Automatic train control
 - Railway operation: TF638
- Automatic transmission devices: TL263
- Automatic transmitting systems
 - Telegraph: TK5541+
- Automation
 - Biotechnology: TP248.25.A96
 - Chemical technology: TP150.A88
 - Electrical engineering: TK448
 - Food processing and manufacture: TP372.8
 - Foundry work: TS233
 - Industrial engineering: T59.5
 - Mining: TN276
 - Papermills: TS1117.6
 - Sugar processing: TP380
 - Transportation engineering: TA1230
- Automobile drivers
 - Photographic portraits: TR681.A94
- Automobile equipment and supplies: TL159+
- Automobile exhaust
 - Air pollutants: TD886.5
- Automobile graveyards
 - Municipal refuse: TD795.4
- Automobile headlights: TL273
- Automobile horns: TL274
- Automobile operation: TL151.5+
- Automobile purchasing: TL162
- Automobile radios: TK6570.A8
- Automobile related wastes
 - Waste disposal: TD797.5+
- Automobile repair shops
 - Waste control: TD899.A96

INDEX

Automobile schools: TL156
 Automobile service stations
 Heating and ventilation: TH7392.A9
 Automobile sound systems
 Electronics: TK7881.85
 Automobile trains: TL235
 Automobiles
 Motor vehicles: TL200+
 Automobiles, Photography of: TR716
 Automotive drafting: TL253
 Automotive engineering: TL1+
 Automotive event data recorders
 Motor vehicles: TL272.54
 Automotive gas turbines: TL227
 Autonomous robots
 Mechanical engineering: TJ211.495
 Autosleds: TL460
 Autosyn indicator
 Aeronautical instrument: TL589.2.A8
 Autotype
 Photography: TR935
 Auvergne cooking: TX719.2.A98
 Auxiliary equipment
 Electronic measurements: TK7878.5+
 Auxiliary power supply
 Aircraft: TL691.A95
 Auxiliary valves
 Plumbing: TH6500
 Avalanche control
 Engineering: TA714
 Avalanche diodes
 Semiconductors: TK7871.89.A94
 Aviation climatology: TL556+
 Avocados
 Cooking: TX813.A9
 Awards
 Cooking: TX648
 Awards programs
 Industrial safety: T55.3.A93
 Awning making
 Textile industries: TS1860
 Axes
 Machine shops: TJ1201.A9
 Axial flow
 Applied fluid mechanics: TA357.5.A95
 Axles
 Airplanes: TL683.A8
 Electric railways: TF949.A9
 Machinery: TJ1057.4
 Railroad cars: TF386
 Axonometric projection
 Mechanical drawing: T363
 Azimuth observations: TA597
 Aziridines
 Chemical technology: TP248.A9
 Azo dyes: TP914

B

Babbitt metal
 Engineering materials: TA480.T5
 Baby clothes: TT637
 Back pressure valves
 Low-pressure steam heating: TH7578.B3
 Backplanes
 Computer engineering: TK7895.B33
 Backsiphonage
 Water supply to buildings: TH6523
 Bacon
 Cooking: TX749.5.P67
 Meat-packing industries: TS1974.B3
 Bacteria
 Water pollutants: TD427.B37
 Bacterial leaching
 Hydrometallurgy: TN688.3.B33
 Bacterial purification
 Sewage: TD755+
 Bacterial starter cultures
 Food additives: TP456.B32
 Bacteriological analysis
 Water: TD384
 Badges
 Aeronautics: TL538
 Metal manufactures: TS761
 Bagasse
 Utilization of waste: TP996.B3
 Bagels
 Cooking: TX770.B35
 Baggage
 Railway operation: TF656
 Baggage cars
 Railway equipment: TF463
 Bagging
 Textile industries: TS1781
 Bags
 Packaging: TS198.B3
 Paper manufacture: TS1200.A1+
 Baked products
 Food values: TX552.15
 Bakelite
 Plastics: TP1180.B3
 Bakeries
 Air conditioning: TH7688.B3
 Bakers' supplies: TX778
 Bakers' trade publications: TX776
 Baking
 Cooking: TX761+
 Cooking process: TX683
 Baking aids: TP431+
 Baking pans
 Cooking: TX657.B34
 Baking powder
 Food processing: TP432
 Nutrition: TX409

INDEX

- Balances
 - Aeronautical research: TL567.B3
- Balancing
 - Aircraft propellers: TL706.B3
 - Steam engines: TJ520
- Balata
 - Rubber industry: TS1935
- Balconies
 - Wall details: TH2251.2
- Bald persons
 - Photographic portraits: TR681.B35
- Baldwin Locomotive Works: TJ625.B2
- Baling
 - Cotton manufactures: TS1585
- Ball and roller bearings
 - Machinery: TJ1071
- Ball grid array technology
 - Electronic packaging: TK7870.16
- Ball-point pens
 - Stationery: TS1267
- Ballast
 - Airships: TL662.B3
 - Balloons: TL625.B2
 - Railway construction: TF250
- Ballast water
 - Water pollution: TD428.B34
- Ballast water treatment facilities
 - Water pollution: TD428.B34
- Ballistic missile defenses
 - Environmental effects: TD195.B34
- Ballistic ranges
 - Aeronautical research: TL567.B33
- Ballonet
 - Balloons: TL625.B3
- Balloon ascensions: TL620.A1+
- Balloon decorations
 - Decorative crafts: TT926
- Balloon jumping: TL632
- Balloon pilots, Licensing of: TL626.5
- Balloon railways: TL639
- Balloon sculpture
 - Decorative crafts: TT926
- Balloons
 - Aeronautics: TL609+
- Balls, Metal
 - Engineering and construction: TA492.B3
- Balsa craft
 - Woodworking: TT189
- Balsamic vinegar: TP429.2
- Bamboo
 - Engineering materials: TA455.B3
 - Housing material: TH4818.B3
 - Nature photography: TR726.B25
 - Woodpulp industry: TS1176.4.B3
- Bamboo work
 - Woodworking: TT190
- Banana craft: TT873.2
- Bananas
 - Cooking: TX813.B3
 - Food processing and manufacture: TP441.B34
 - Food values: TX558.B3
- Bandannas
 - Clothing manufacture: TT667.5
- Bannerets
 - Building construction: TH2495
- Banners
 - Textile arts: TT850.2
- Banners industry: TS2301.F6
- Banyan VINES: TK5105.8.V56
- Barbecue cooking: TX840.B3
- Barbecues
 - Building construction: TH4961.5
- Barbed wire: TS271
- Barbering: TT950+
- Barbers' manuals: TT960
- Barbers, Recipes for (for hair preparations): TT977
- Bare wires
 - Electric power: TK3321
- Barite
 - Mining engineering: TN948.B18
- Barium
 - Chemical technology: TP245.B2
 - Ore deposits and mining: TN490.B2
- Bark
 - Nature photography: TR726.B3
- Barley
 - Food values: TX558.B35
- Barns
 - Building construction: TH4930
- Barograph
 - Aeronautical instrument: TL589.2.B3
- Barrages
 - Hydraulic engineering: TC540+
- Barrel engines: TJ764
- Barrels
 - Manufactures: TS890
 - Packaging: TS198.6.B3
- Barrier-free design
 - House remodeling: TH4816.15
 - Transportation engineering: TA1285
- Barrooms: TX950+
- Bars
 - Furniture: TT197.5.B3
 - Plastics: TP1183.B3
 - Plumbing: TH6518.B2
 - Structural engineering: TA660.B3
 - Taverns, barrooms, saloons: TX953
- Bars, Reinforcing
 - Reinforced concrete construction: TA683.42
- Bartenders' manuals and recipes: TX951
- Base course
 - Highway engineering: TE212
- Base flow
 - Aerodynamics: TL574.B3

INDEX

- Base-heating stoves
 - Convective heating: TH7436.B3
- Baseball fields
 - Environmental effects: TD195.S68
- Baseball players
 - Photographic portraits: TR681.B37
- Basements
 - Building design and construction: TH3000.B36
 - Drainage: TH6671.C3
 - House remodeling: TH4816.3.B35
 - Ventilation: TH7684.B35
- Basic Bessemer process
 - Steel metallurgy: TN738
- Basic open hearth process
 - Steel metallurgy: TN742
- Basil
 - Cooking: TX819.B37
- Basins
 - Aeronautical research: TL567.B4
 - Plumbing: TH6490
- Basketmaking
 - Manufactures: TS910
- Baskets
 - Balloons: TL625.B4
 - Decorative crafts: TT879.B3
 - Wood products: TS913
- Bass
 - Cooking: TX748.B37
- Bast
 - Textile fiber: TS1544.B3
- Bast work
 - Decorative crafts: TT875
- Batch production
 - Manufacturing engineering: TS178.2
- Bathroom fixtures, Catalogs of
 - Plumbing: TH6489
- Bathrooms
 - Building design and construction: TH3000.B38
 - House remodeling: TH4816.3.B37
 - Plumbing: TH6485+
- Baths
 - Plumbing: TH6491+
- Baths, Public
 - Building construction: TH4761
 - Plumbing: TH6518.B3
- Bati oil
 - Chemical technology: TP684.B3
- Batik
 - Textile decoration: TT852.5
- Battenberg lace: TT805.B36
- Batteries
 - Aircraft: TL691.B3
 - Electric vehicles: TL220+
 - Household
 - Waste disposal: TD799.8
 - Motor vehicles: TL272
 - Space vehicles: TL1102.B3
- Batteries
 - Telephone plants: TK6278
- Batters
 - Food processing and manufacture: TP451.B38
- Battery chargers
 - Electrical engineering: TK2943
- Bauxite
 - Mining: TN490.A5
 - Prospecting: TN271.B3
- Bauxite industry
 - Environmental effects: TD195.A37
- Bauxite mines and mining
 - Water pollution: TD428.A48
- Bay and bow windows
 - Building design and construction: TH2265
- Bay window roofs
 - Building construction: TH2423
- BBC microcomputer: TK7889.B3
- BEA Weblogic
 - Web authoring software: TK5105.8885.B4
- Beach nourishment: TC332
- Beacon receiver
 - Aeronautical navigation: TL696.B5
- Beacons
 - Aeronautical navigation: TL696.B4
- Beacons for aircraft: TL727+
- Bead crochet
 - Decorative crafts: TT861.3
- Bead flowers
 - Decorative crafts: TT890.2
- Beads industry: TS2301.B4
- Beadwork
 - Decorative crafts: TT859.8+, TT860
- Beam and girder bridges: TG350+
- Beamed-energy propulsion
 - Rockets: TL783.7
- Beams
 - Bridge engineering: TG350+
 - Hoisting machinery: TJ1367
 - Reinforced concrete construction: TA683.5.B3
 - Structural engineering: TA660.B4
 - Wooden construction: TA666.5.B43
- Beams, Castellated
 - Structural engineering: TA660.C37
- Beams, Continuous
 - Structural engineering: TA660.B43
- Beams, Flitch
 - Structural engineering: TA660.F57
- Beams, Steel
 - Structural engineering: TA660.S66
- Beans
 - Cooking: TX803.B4
 - Food values: TX558.B4
- Beans, Dried: TP444.B38
- Bearing pads
 - Cement and concrete construction: TA682.445

INDEX

Bearings

Airplanes: TL697.B4
Bridge engineering: TG326
Gasoline automobiles: TL214.B43
Generators: TK2458.B4
Jet engines: TL709.5.B4
Locomotives: TJ669.B4
Machinery: TJ1061+
Miscellaneous motors and engines: TJ762.B4
Railroad cars: TF389
Structural engineering: TA660.B45
Turbines: TJ267.5.B43

Beartrap dams: TC549

Beauty culture: TT950+

Beauty culture as a profession: TT958.23

Beauty shop practice: TT950+

Bedding

Handicrafts: TT399+

Bedroom furniture

Woodworking: TT197.5.B4

Bedrooms

House remodeling: TH4816.3.B43

Beds

Wood manufactures: TS886.5.B4

Bedspreads

Handicrafts: TT403

Bedsteads

Wood manufactures: TS886.5.B4

Beef

Cooking: TX749.5.B43

Food values: TX556.B4

Beer

Brewing and malting: TP577

Cooking: TX726.3

Beeswax

Chemical technology: TP678

Beet

Sugars and syrups: TP390+

Beetles

Deterioration of wood: TA423.63

Beets

Food processing and manufacture: TP444.B4

Behavior modification

Industrial safety: T55.3.B43

Behavior of materials under applied forces: TA404.8+

Belgian stone blocks: TE263

Bellmen

Hotels, clubs, restaurants, etc.: TX926

Bellows

Machinery: TJ247.5

Bells

Manufactures: TS583+

Belt gearing

Mechanical engineering: TJ1100+

Belt shifters

Mechanical engineering: TJ1107

Belt transmission

Mechanical engineering: TJ1100+

Belting

Fire testing: TH9446.5.B44

Mechanical engineering: TJ1105

Belts

Clothing manufacture: TT668

Fire testing: TH9446.5.B44

Belts for assembly line production

Conveying machinery: TJ1390+

Belts industry: TS2301.B5

Bench fitting

Machine shops: TJ1315

Bench work

Machine shops: TJ1315

Bending

Iron and steel work: TA890+

Bending machines

Machine shops: TJ1300

Bending moments

Structural analysis: TA648.4

Bending, Wood

Woodworking: TT190.8

Benefits-to-costs ratios

Engineering economy: TA177.7

Bent iron work

Handicrafts: TT240

Bentley automobiles: TL215.B4

Bentonite

Mining engineering: TN948.B4

Benzene

Air pollutants: TD887.B43

Chemical technology: TP248.B4

Environmental pollutants: TD196.B38

Fuel: TP359.B4

Benzoic acid

Chemical technology: TP248.B5

Benzoin

Gums and resins: TP979.5.B4

Benzol

Fuel: TP359.B4

Benzopyrene

Air pollutants: TD887.B45

Soil pollutants: TD879.B4

Benzpyrene

Environmental pollutants: TD196.B4

Bergamot oil

Organic chemical industries: TP959.B4

Berlinite crystals

Electronic materials: TK7871.15.B47

Berries

Cooking: TX813.B4

Food processing: TP441.B4

Preservation and storage: TX612.B4

Beryl

Mining engineering: TN948.B45

INDEX

- Beryllium
 - Chemical technology: TP245.B4
 - Engineering materials: TA480.B4
 - Metallography: TN693.B4
 - Metallurgy: TN799.B4
 - Ore deposits and mining: TN490.B4
 - Prospecting: TN271.B4
 - Soil pollutants: TD879.B47
- Besm computer: TK7889.B4
- Bessemer process
 - Steel metallurgy: TN736+
- Bevel gears
 - Mechanical movements: TJ193+
- Beverage container industry
 - Waste control: TD899.B48
- Beverage containers: TP660
- Beverages
 - Adulteration: TX596+
 - Chemical technology: TP500+
 - Cooking: TX815+
 - Nutrition: TX412+
- BGP
 - Computer network protocols: TK5105.555
- Bicycle paths and tracks
 - Highway engineering: TE301
- Bicycles: TL410+
- Bidets
 - Plumbing: TH6496
- Bilayer lipid membranes
 - Biotechnology: TP248.25.B53
- Billing machines: TK4102
- Bills of fare
 - Cooking: TX727+
- Binary control systems
 - Mechanical engineering: TJ218.7
- Bins
 - Building construction: TH4498
- Biochemical engineering: TP248.3
- Biochemical oxygen demand
 - Sewage: TD737
- Biodegradable plastics: TP1180.B55
- Biodegradation
 - Hazardous substance disposal: TD1061
 - Industrial and factory wastes: TD897.842
 - Radioactive waste disposal: TD898.14.B55
- Biodiesel fuels: TP359.B46
- Bioengineering: TA164+
- Biogas
 - Fuel: TP359.B48
- Biological purification
 - Sewage: TD755+
- Biological treatment
 - Pollution control methods: TD192.5+
 - Water treatment: TD475
- Biomanipulation
 - Environmental technology: TD365.5
- Biomass
 - Fuel: TP339
- Biomass chemicals
 - Chemical technology: TP248.B55
- Biomass energy
 - Environmental effects: TD195.B56
- Biomass stove heating
 - Convective heating: TH7436.5
- BioMEMS
 - Biotechnology: TP248.25.B54
- Biometric identification
 - Electronics: TK7882.B56
- Bionics
 - Bioengineering: TA164.2
- Bioprocess engineering: TP248.3
- Bioreactor processes
 - Biotechnology: TP248.25.B55
- Bioreactors
 - Biotechnology: TP248.25.B55
- Bioremediation
 - Pollution control methods: TD192.5+
- Biorhythms
 - Industrial accidents: T55.3.B56
- Biosurfactants
 - Chemical technology: TP248.B57
- Biotechnological production
 - Compounds: TP248.65+
 - Biotechnology: TP248.13+
 - Environmental effects: TD195.B58
 - Hydrometallurgy: TN688.3.B33
 - Woodpulp industry: TS1176.6.B56
- Biplane characteristics: TL671.3
- Biplanes: TL684.4
- Bipolar transistors: TK7871.96.B55
- Bird control
 - Airports: TL725.3.B5
- Birds
 - Embroidery: TT773
 - Nature photography: TR729.B5
- Birthday cards
 - Decorative crafts: TT872
- Biscuits
 - Cooking: TX770.B55
- Bismuth
 - Chemical technology: TP245.B5
 - Metallography: TN693.B5
 - Metallurgy: TN799.B5
 - Ore deposits and mining: TN490.B6
- Bistatic radar: TK6592.B57
- Bit-interleaved coded modulation
 - Wireless communication systems: TK5103.26
- BITNET
 - Computer networks: TK5105.875.B57
- Bits
 - Machine tools: TJ1186
- Bitumen
 - Mining engineering: TN850

INDEX

- Bitumen
 - Petroleum products: TP692.4.B5
 - Soil stabilization: TE210.5.B5
- Bituminization
 - Radioactive waste disposal: TD898.173
- Bituminous coal
 - Mining: TN825+
- Bituminous materials
 - Air pollutants: TD887.B58
 - Engineering materials: TA455.B5
 - Highway engineering: TE221
- Bituminous pavements
 - Highway engineering: TE266+
- Black processes
 - Industrial photography: TR923
- Blackboard drawing
 - Technical education: T65.5.B5
- Blackboard drawing, Technical: T361
- Blackhouses
 - Construction: TH4822
- Blacking materials
 - Chemical technology: TP944
- Blackmagic Fusion
 - Computer animation: TR897.72.B53
- Blacks
 - Photographic portraits: TR681.B52
- Blacks (Pigments)
 - Organic chemical industries: TP951
- Blacksmithing: TT218+
- Blackwork embroidery: TT778.B5
- Blades
 - Aircraft propellers: TL707.B6
 - Jet engines: TL709.5.B6
 - Turbines: TJ267.5.B5
- Blank books
 - Stationery: TS1250
- Blank forms
 - Dressmaking: TT522
- Blankets
 - Handicrafts: TT405
- Blast engines
 - Pneumatic machinery: TJ963
- Blast furnaces
 - Metallurgy: TN713+
 - Noise control: TD893.6.B58
- Blast loads
 - Structural engineering: TA654.7
- Blast resistant design
 - Structural engineering: TA658.42
- Blasting
 - Excavations: TA748
 - Mining: TN279
- Bleaches
 - Textiles: TP894.5
- Bleaching
 - Laundry work: TT991
 - Oils, fats, waxes: TP673
- Bleaching of pulp
 - Woodpulp industry: TS1176.6.B6
- BLEND: TK5105.8.B57
- Blended learning
 - Technical education: T65.5.B54
- Blender
 - Computer animation: TR897.72.B55
- Blender recipes
 - Cooking: TX840.B5
- Blimps: TL656.2
- Blind
 - Photographic portraits: TR681.B54
- Blind flight
 - Airplanes: TL711.B6
- Blinds
 - Window fittings: TH2276
- Block adjustment
 - Photographic triangulation: TA593.83
- Block printing
 - Textile arts and crafts: TT852+
- Block systems
 - Railway operation: TF630
- Blocks
 - Hoisting machinery: TJ1357
- Blood products
 - Biotechnology: TP248.65.B56
- Blouses
 - Women's tailoring: TT545
- Blow-off cocks
 - Plumbing explosion prevention: TH6566
- Blowers and fans
 - Pneumatic machinery: TJ960+
- Blowoffs
 - Furnaces: TJ358
- Blowouts
 - Well drilling: TN871.215
- Blue john
 - Mineral industries: TN989.B55
- Blue processes
 - Industrial reproduction: TR921
- Blueberries
 - Cooking: TX813.B5
- Bluefish
 - Cooking: TX748.B55
- Blueing
 - Laundry work: TT991
- Blueprint reading
 - Airplanes: TL671.25
 - Mechanical drawing: T379
- Blueprints
 - Industrial reproduction: TR921
- Blueprints from photographic negative
 - Photographic processes: TR415
- Bluetooth (Wireless communication systems): TK5103.3
- BMW automobiles: TL215.B25
- BMW motorcycle: TL448.B18
- BMW X3 sport utility vehicle: TL230.5.B68

INDEX

- Board roofing
 - Building construction: TH2438
- Boat railways: TC771+
- Boat trailers
 - Motor vehicles: TL297.2
- Boating
 - Environmental effects: TD195.B63
- Boats
 - Environmental effects: TD195.B63
 - Seashore photography: TR670.5
- Bobbers (Motorcycles): TL442.7
- Bobbin lace: TT805.B63
- Bobbinite
 - Explosives: TP290.B7
- Bodies-in-white
 - Motor vehicles: TL255.15
- Body area networks: TK5103.35
- Bodybuilders
 - Nutrition: TX361.B64
 - Photographic portraits: TR681.B57
- Boeing Aircraft Company: TL686.B65
- Bogs
 - Reclamation: TC975
- Boiler accessories: TJ288
- Boiler compounds
 - Steam boilers: TJ392
- Boiler details and accessories: TJ320+
- Boiler plants
 - Mechanical engineering: TJ395+
- Boiler scale
 - Steam boilers: TJ390+
- Boilermaking
 - Steam boilers: TJ290+
- Boilers
 - Central heating: TH7470+
 - High-pressure hot water heating: TH7534.A+
 - Hot water heating: TH7538+
 - Locomotives: TJ642
 - Low-pressure hot water heating: TH7529
 - Machinery: TJ263.5
 - Steam heating: TH7588+
- Boiling
 - Cooking process: TX685
- Boiling water reactors
 - Nuclear engineering: TK9203.B6
- Bolex motion picture camera: TR883.B6
- Bolt action rifle: TS536.6.B6
- Bolt cutters
 - Fasteners: TJ1333
- Bolts
 - Railway construction: TF261
- Bolts and nuts
 - Fasteners: TJ1330+
- Bolts, Metal
 - Engineering materials: TA492.B63
- Bombproof construction
 - Building construction: TH1097
- Bombproof shelters
 - Building construction: TH1097
- Bonding
 - Aircraft communication equipment: TL694.I6
 - Metal finishing: TS718
 - Plastics: TP1165
 - Wood products: TS857
- Bone, Articles of
 - Manufactures: TS1050
- Bone, Coloring of
 - Painting: TT370
- Bone craft: TT288
- Bone products
 - Manufactures: TS1982
- Book illustration
 - Photomechanical processes: TR927
- Bookcases
 - Woodworking: TT197.5.B6
- Bookkeeping, Household: TX326.A1+
- Books
 - Decorative crafts: TT896.3
- Boosters
 - Dynamolectric machinery: TK2697
 - Locomotives: TJ669.B6
- Bootmaking
 - Leather industries: TS989+
- Bootstrap
 - Web authoring software: TK5105.8885.B66
- Bopp's signaling system: TF628
- Borates
 - Mining engineering: TN917
- Borax
 - Mining engineering: TN917
- Borehole mining: TN281.5
- Borides
 - Engineering materials: TA455.B65
- Boriding
 - Metal finishing: TS695.3
- Boring attachments
 - Machine shops: TJ1220
- Boring machinery
 - Wells: TD414
- Boron
 - Chemical technology: TP245.B6
 - Prospecting: TN271.B6
 - Water pollutants: TD427.B67
- Boron alloys
 - Metallography: TN693.B6
- Boron organic compounds
 - Chemical technology: TP248.B6
- Boron steel
 - Engineering and construction: TA479.B6
 - Metallurgy: TN757.B6
- Boss
 - Aircraft propellers: TL707.B7
- Bottle jackets
 - Decorative crafts: TT879.J3

INDEX

- Bottler's machinery and supplies: TP659.A1+
- Bottles
 - Glassware: TP866
- Bottling: TP659.A1+
- Bottling plants
 - Noise control: TD893.6.B68
- Boundary layer
 - Aerodynamics: TL574.B6
- Boundary value problems
 - Engineering mathematics: TA347.B69
- Bow caps
 - Airships: TL662.B7
- Bowfin
 - Cooking: TX748.B67
- Bowling alleys
 - Fire prevention and extinction: TH9445.B6
- Box coil radiators
 - Hydronic systems: TH7493
- Box craft
 - Decorative crafts: TT870.5
 - Woodworking: TT190.6
- Box furniture
 - Woodworking: TT197
- Box girder bridges: TG362
- Box making
 - Decorative crafts: TT870.5
 - Manufactures: TS900
- Boxes
 - Packaging: TS198.B6
 - Woodworking: TT197.5.B68
- Boxes, Paper
 - Manufactures: TS1200.A1+
- Boys
 - Photographic portraits: TR681.B6
- Boys, Projects for
 - Handicrafts: TT159+
- Bracing
 - Airplanes: TL671.5
- Brackets
 - Machinery: TJ1065
- Braid
 - Decorative crafts: TT880
- Braid (Machine made)
 - Textile industries: TS1782.5
- Braided structures
 - Engineering materials: TA418.9.B73
- Braids
 - Hairwork: TT975
 - Silk manufactures: TS1687
- Braising
 - Cooking process: TX686
- Brake gear
 - Railroad cars: TF415+
- Brakes
 - Airplanes: TL683.B7
 - Electric railways: TF949.B7
 - Elevators: TJ1377
- Brakes
 - Locomotives: TJ669.B7
 - Machinery: TJ1060
 - Motor vehicles: TL269+
- Bran
 - Food values: TX558.B6
- Brandy: TP599
- Brass
 - Engineering materials: TA480.C7
 - Manufactures: TS564+
- Brassieres
 - Clothing manufacture: TT677
- Braziers
 - Radiative heating: TH7423
- Brazilian dimensional embroidery: TT778.B73
- Brazing
 - Handicrafts: TT267
- Bread
 - Cereals: TX394
 - Cooking: TX769+
 - Food values: TX558.B7, TX560.B8
- Bread flowers
 - Decorative crafts: TT890.3
- Breadfruit
 - Cooking: TX813.B73
- Breakers
 - Ore dressing and milling: TN510
- Breakfasts
 - Cooking: TX733
- Breakwaters
 - Coast protective works: TC333
- Breathing apparatus
 - Fire prevention and extinction: TH9396
- Breeches
 - Men's tailoring: TT610
- Breeder reactors
 - Nuclear engineering: TK9203.B7
- Bréguet (Aircraft manufacturer): TL686.B68
- Breweries
 - Air pollution: TD888.B74
 - Building construction: TH4531
- Brewing
 - Beverages: TP568+
- Brick
 - Fire-resistive building construction: TH1077+
 - Housing material: TH4818.B7
 - Masonry construction: TA679
 - Masonry materials: TA432+
 - Pavements: TE255
 - Sewer design and construction: TD680
 - Sidewalks: TE287
- Brick building construction: TH1301
- Brick ovens
 - Cooking: TX657.O57
- Brick walls
 - Building design and construction: TH2243

INDEX

- Bricked-in boilers
 - Hot water heating: TH7539
- Bricked-in furnaces
 - Hot water heating: TH7539
 - Hydronic systems: TH7473
 - Steam heating: TH7589
- Bricklaying
 - Building construction: TH5501+
- Brickmaking
 - Chemical technology: TP826+
- Brickmaking machinery: TP829
- Bricks
 - Chemical technology: TP826+
- Brickworks
 - Dust removal: TH7697.B75
- Bridge accidents: TG470
- Bridge approaches
 - Highway engineering: TE216
- Bridge circuits
 - Electronic circuits: TK7868.B7
- Bridge deck runoff
 - Water pollution: TD428.B75
- Bridge design: TG300+
- Bridge details: TG326
- Bridge drafting: TG300+
- Bridge engineering: TG1+
- Bridge erection: TG315
- Bridge estimates: TG313
- Bridge foundations: TG320
- Bridge testing: TG305
- Bridges
 - Computer networks: TK5105.543
 - Engineering: TG1+
 - Environmental effects: TD195.B74
 - Models: TG307
- Bridges, Small
 - Highway engineering: TE213
- Brine
 - Industrial electrochemistry: TP261.B7
- Brines
 - Petroleum geology: TN870.515
- Brining
 - Food preservation: TP371.44
- Briquets and briquetting
 - Fuel: TP323
- Briquetting
 - Chemical engineering: TP156.B7
- Brittany cooking: TX719.2.B74
- Brittle fracture
 - Structural analysis: TA656.4
- Brittle states
 - Plastic properties and tests: TA418.16+
- Broaches
 - Machine tools: TJ1186
- Broadband amplifiers: TK7871.58.B74
- Broadband communication systems: TK5103.4+
- Broadcast data systems
 - Wireless communication systems: TK5103.487
- Brocade
 - Silk manufactures: TS1676
- Broccoli
 - Cooking: TX803.B66
- Broiling
 - Cooking process: TX687
- Broken stone
 - Unpaved roads: TE235+
- Bromate
 - Water pollutants: TD427.B75
- Bromine
 - Chemical technology: TP245.B7
- Bromoil
 - Photography: TR443
- Bronze
 - Engineering materials: TA480.C7
 - Manufactures: TS564+
 - Metallography: TN693.C9
- Bronzing
 - Metal arts and crafts: TT382.8
 - Metal finishing: TS715
 - Painting: TT380
- Broom and brush industry
 - Manufactures: TS2301.B8
- Brown coal
 - Mining: TN831+
- Brown rice
 - Cooking: TX809.B75
- Browning rifles: TS536.6.B76
- Browsers
 - Internet: TK5105.882+
- Branches
 - Cooking: TX733
- Brush holders
 - Generators: TK2484
- Brush industry
 - Manufactures: TS2301.B8
- Brushes
 - Generators: TK2484
- Brussels sprouts
 - Cooking: TX803.B7
- Buckling
 - Structural analysis: TA656.2
- Buckram
 - Wall decoration: TH8471
- Buckskin
 - Leather: TS980.B82
- Buckwheat
 - Cooking: TX809.B8
- Budgets, Household: TX326.A1+
- Buffalo (Meat)
 - Food values: TX556.B8
- Buffets
 - Cooking: TX738.5
- Bugatti automobile: TL215.B82

INDEX

- Buick automobiles: TL215.B84
- Builders
 - Building construction: TH12+
- Builders' and contractors' bulletins: TH11
- Building accidents: TH443
- Building as a profession: TH159
- Building construction: TH1+
- Building construction systems: TH1000+
- Building control systems: TH6012
- Building defects: TH441
- Building details
 - Building construction: TH2025+
- Building errors: TH441
- Building failures: TH441
- Building fittings: TH6010+
- Building fittings, Catalogs of: TH2055
- Building gas supply
 - Plumbing: TH6800+
- Building information modeling
 - Building construction: TH438.13
- Building-integrated photovoltaic systems
 - Solar energy: TK1087
- Building layout: TH385
- Building materials
 - Environmental pollutants: TD196.B85
 - Fire-testing: TH1092
- Building materials industry
 - Dust removal: TH7697.B8
 - Electric power: TK4035.B83
 - Environmental effects: TD195.B84
- Building of structural elements for landscape construction: TH4961+
- Building operation and housekeeping: TX955+
- Building orientation
 - Environmental engineering of buildings: TH6053
- Building performance
 - Building construction: TH453
- Building sites
 - Building construction: TH375+
 - Electric lighting: TK4399.B8
 - Fire prevention and extinction: TH9445.B8
- Building standards: TH420
- Building stones
 - Mining engineering: TN950+
- Building supplies catalogs: TH455
- Building supply companies: TH12+
- Building trades
 - Construction: TH5011+
- Buildings
 - Airports: TL725.3.B8
 - Energy conservation: TJ163.5.B84
 - Painting: TT320+
 - Protection from lighting: TH9057+
 - Protection of
 - Building construction: TH9025+
- Built-in furniture
 - Woodworking: TT197.5.B8
- Bulat steel: TA479.B7
- Bulgur
 - Cooking: TX809.B85
- Bulk solids
 - In-plant transportation: TS180.8.B8
- Bulk solids handling
 - Dust removal: TH7697.B82
- Buoys
 - Lighthouses: TC380
- Burbling
 - Aerodynamics: TL574.T8
- Burbot
 - Cooking: TX748.B85
- Burglar alarms
 - Security in buildings: TH9739
- Burglar-proof construction
 - Building construction: TH9720+
- Burglary, Protection from
 - Building construction: TH9701+
- Burgundy cooking: TX719.2.B87
- Burial
 - Sewage disposal: TD771
- Burlap
 - Jute industries: TS1735
- Burners
 - Building gas supply: TH6880
 - Gas stove heating: TH7457.B8
- Bus driving: TL232.3
- Buses: TL232+
 - Computer engineering: TK7895.B87
- Bush flying: TL711.B88
- Business getting
 - Electrical engineering: TK445
- Business management
 - Gas industry: TP751.3
- Business methods
 - Portrait photography: TR581
- Business parks
 - Environmental effects: TD195.B87
- Bussing attendants
 - Hotels, clubs, restaurants, etc.: TX925
- Butane
 - Gas industry: TP761.B8
- Butanediol
 - Chemical technology: TP248.B78
- Butanone
 - Chemical technology: TP248.B8
- Butchering
 - Manufactures: TS1959+
- Butchers' meats
 - Nutrition: TX373
- Butlers
 - Hotels: TX927
- Butter
 - Cooking: TX759.5.B87
 - Nutrition: TX381

INDEX

Button industry
 Manufactures: TS2301.B9
Buttons
 Women's tailoring: TT557
Butylene
 Chemical technology: TP248.B87
Buyers' guides
 Motor vehicles: TL162
Buzzer systems
 Telegraph: TK5522
By-products
 Food processing and manufacture: TP373.8
 Gas industry: TP755
 Wine and winemaking: TP548.5.B9
By-products of combustion
 Chemical technology: TP365

C

Cabbage
 Cooking: TX803.C3
 Food processing and manufacture: TP444.C3
 Food values: TX558.C2
Cabin
 Airplanes: TL681.C3
Cabin atmosphere
 Space environment: TL1530
Cabinet projection
 Mechanical drawing: T365
Cabinetwork
 Woodworking: TT197
Cable
 Mountain railways: TF682
 Submarine telegraph: TK5671
Cable laying and repairing
 Submarine telegraph: TK5662+
Cable laying systems
 Submarine telegraph: TK5681
Cable railways: TF835
Cable-stayed bridges: TG405
Cable structures
 Structural engineering: TA660.C3
Cables
 Electric power: TK3301+
 Standards and testing: TK3307
 Structural engineering: TA660.C3
 Submarine telegraph: TK5661+
 Telegraph: TK5481
Cableways
 Conveying machinery: TJ1385+
Cabooses
 Railway equipment: TF485
Cacao
 Chemical technology: TP640
 Food values: TX560.C2
Cacao butter
 Chemical technology: TP684.C2

Cache memory
 Computer engineering: TK7895.M4
CAD/CAM systems
 Production management: TS155.6+
Cadillac automobiles: TL215.C27
Cadmium
 Air pollutants: TD887.C34
 Chemical technology: TP245.C2
 Effect on food: TX572.C24
 Electroplating: TS692.C18
 Environmental pollutants: TD196.C28
 Metallurgy: TN799.C2
 Ore deposits and mining: TN490.C2
 Soil pollutants: TD879.C33
 Water pollutants: TD427.C33
Cadmium alloys
 Electronics: TK7871.15.C33
Cadmium industry
 Waste control: TD899.C25
Caesium
 Chemical technology: TP245.C25
Cafeterias
 Food service: TX945+
Caissons
 Hydraulic engineering: TC199
Cake decorating
 Cooking: TX771.2
Cake pops
 Cooking: TX771.4
Cakes
 Cooking: TX771+
Calcimining
 Building decoration: TH8161
Calcium
 Chemical technology: TP245.C3
 Food constituent: TX553.C23
 Metallurgy: TN799.C25
Calcium carbide
 Acetylene industry: TP770
Calcium chloride
 Soil stabilization: TE210.5.C3
Calcium cyanamide
 Fertilizers: TP963.4.C3
Calcium gluconate
 Chemical technology: TP248.C15
Calcium oxide
 Environmental pollutants: TD196.L55
Calcium steel
 Metallurgy: TN757.C35
Calcium sulfate
 Effect on food: TX572.C3
Calculus of variations
 Engineering mathematics: TA347.C3
Calendering
 Paper manufacture: TS1118.C34
 Plastics: TP1175.C3

INDEX

- Calenders
 - Paper manufacture: TS1118.C34
- Calibration
 - Mechanical engineering: TJ211.419
- Calico printing: TP930+
- California style cooking: TX715.2.C34
- Calipers
 - Machine shops: TJ1313
- Caloric engines: TJ765
- Calorizing
 - Metal finishing: TS657
- Calotypes
 - Photographic process: TR395
- Camber
 - Airplanes: TL673.C3
- Camcorders
 - Photography: TR882.3
- Camel meat
 - Food values: TX556.C35
- Camel's hair
 - Textile fiber: TS1548.C3
- Camera accessories
 - Photography: TR265
- Camera tubes
 - Television: TK6655.C3
- Cameras
 - Individual makes: TR263.A+
 - Photography: TR250+
- Camouflage
 - Airports: TL725.3.C3
- Camp cooking: TX823
- Camp sites, facilities, etc.
 - Waste control: TD899.C27
- Campgrounds
 - Sanitary engineering: TD931
- Camphor
 - Chemical technology: TP248.C2
- Cams
 - Mechanical engineering: TJ206
- Camshafts
 - Gasoline automobiles: TL214.C35
- Camtasia Studio
 - Computer animation software: TR897.72.C36
- Can privies
 - Sewage disposal: TD780
- Canal aqueducts: TC764
- Canal embankments: TC759
- Canal gates: TC762
- Canal locks: TC761
- Canalboats: TC765
- Canals
 - Hydrodynamics: TC175+
 - Inland navigation: TC601+
- Canapes
 - Recipes: TX740
- Canard wings
 - Airplanes: TL673.C35
- Candlepower: TK4175
- Candles
 - Chemical technology: TP993
 - Decorative crafts: TT896.5
- Candlesticks
 - Woodworking: TT197.5.L34
- Candlewicking
 - Embroidery: TT778.C24
- Candy
 - Cooking: TX784+
- Candymakers' tools
 - Cooking: TX793
- Cane sugar
 - Chemical technology: TP375+
- Canes
 - Manufactures: TS2301.C3
- Canned foods
 - Cooking: TX821
 - Food values: TX552
- Cannel coal
 - Mining: TN827
- Canneries
 - Sanitary engineering: TH6057.C6
 - Waste control: TD899.C3
- Canning
 - Food processing: TP371.3+
 - Storage of foods: TX603
- Canola oil
 - Cooking: TX819.C36
- Canon cameras
 - Photography: TR263.C3
- Cans
 - Packaging: TS198.C3
- Canteens
 - Factories: TX946.5.A1+
 - Food service: TX946
- Cantilever bridges: TG385
- Cantilevers
 - Structural engineering: TA660.C36
- Canvas embroidery: TT778.C3
- Capacitance meters and measurements
 - Electrical engineering: TK335
- Capacitors
 - Electronics: TK7872.C65
- Capes
 - Women's tailoring: TT530
- Capillarity
 - Petroleum geology: TN870.52
- Capillary electrophoresis
 - Biotechnology: TP248.25.C37
- Capitals (of columns)
 - Building design and construction: TH2252+
- Caproni (Aircraft manufacturer): TL686.C27
- Caps
 - Explosives: TP293
 - Window and door openings: TH2261+

INDEX

- Capsules
 - Packaging: TS198.C33
- Captive balloons: TL634+
- Car bodies
 - Railroad cars: TF400
- Car building
 - Railway equipment: TF371+
- Car construction
 - Electric railways: TF949
 - Railroads: TF380+
- Car fenders
 - Electric railways: TF947
- Car heating
 - Electric railways: TF945
- Car interchange systems
 - Trains: TF605+
- Car lighting
 - Electric railways: TF940
- Car resistance
 - Electric railways: TF962
- Car sanitation
 - Railway equipment: TF445+
- Car service associations
 - Trains: TF605+
- Car trucks, Railroad: TF380+
- Car wiring and equipment
 - Electric railways: TF925
- Caramel
 - Recipes: TX767.C37
 - Sugar products: TP414.4
- Carbazoles
 - Textile dyes: TP918.C37
- Carbodiimides
 - Chemical technology: TP248.C24
- Carbohydrates
 - Biotechnology: TP248.65.P64
 - Chemical technology: TP248.C27
 - Food constituent: TX553.C28
- Carbolic acid
 - Chemical technology: TP248.C3
 - Environmental pollutants: TD196.C33
- Carbon
 - Chemical technology: TP245.C4
 - Electricity production: TK2945.C37
 - Electronics: TK7871.15.C35
 - Engineering materials: TA455.C3
- Carbon compounds
 - Biotechnology: TP248.65.C35
- Carbon dioxide
 - Air pollutants: TD885.5.C3
 - Chemical technology: TP244.C1
 - Water pollution: TD427.C37
- Carbon dioxide pasteurization, Dense phase
 - Food preservation: TP371.46
- Carbon dioxide treatment
 - Food preservation: TP371.46
- Carbon disulfide
 - Air pollutants: TD887.C37
 - Chemical technology: TP248.C34
- Carbon lamps: TK4352
- Carbon monoxide
 - Air pollutants: TD885.5.C33
- Carbon processes
 - Photography: TR440
- Carbon sequestration technologies
 - Air pollutants: TD885.5.C3
- Carbon steel
 - Engineering and construction: TA479.C37
- Carbonated beverages: TP628+
- Carbonatites
 - Mining engineering: TN948.C3
- Carbonization
 - Chemical engineering: TP156.C3
- Carbonization of coal
 - Fuel: TP336
- Carbons
 - Electric lighting: TK4335
 - Manufacture: TK7725
- Carbons, Natural
 - Metallurgy: TN845+
- Carborundum
 - Abrasive: TJ1298
 - Industrial electrochemistry: TP261.C3
- Carboxymethyl cellulose
 - Chemical technology: TP248.C38
- Carburetion
 - Gasoline automobiles: TL212
- Carburetion, ignition, etc.
 - Internal combustion engines: TJ787+
- Carburetors
 - Aircraft engines: TL702.C3
 - Gasoline automobiles: TL212
- Card weaving
 - Textile arts: TT848+
- Cardboard: TS1135+
 - Decorative crafts: TT870+
- Carding
 - Cotton manufactures: TS1578
 - Textile manufactures: TS1485+
 - Woolen manufactures: TS1628
- Carding machines: TS1487
- Care of the house: TX323
- Cargo planes: TL685.7
- Carnallite
 - Mining engineering: TN948.C34
- Carnival
 - Decorative crafts: TT900.C37
- Carob
 - Cooking: TX814.5.C35
- Carotinoids
 - Food constituent: TX553.C3
- Carp
 - Cooking: TX748.C35

INDEX

- Carpentry
 - Building construction: TH5601+
- Carpet yarns
 - Textile dyeing: TP931.C2
- Carpets
 - Fire testing: TH9446.5.C35
 - Measuring, cutting, laying: TS1779.5
 - Textile manufactures: TS1772+
- Carpets, Hand-made
 - Textile arts: TT850
- Carports
 - Building construction: TH4960
- Carrageenan
 - Food processing and manufacture: TP445.5.C35
- Carriage body
 - Motor vehicles: TL255+
- Carriage hardware: TS2035
- Carriage houses
 - Plumbing: TH6518.C3
- Carriage making
 - Manufactures: TS2001+
- Carriage painters, Scrolls and designs for: TS2032
- Carriage painting: TS2030+
- Carrier control systems
 - Mechanical engineering: TJ218
- Carrots
 - Cooking: TX803.C35
- Carrying
 - Industrial safety: T55.3.L5
- Cars
 - Airships: TL662.C3
 - Electric railways: TF920+
- Cartoonists
 - Photographic portraits: TR681.C37
- Carving
 - Woodworking: TT199.7+
- Carving, Table
 - Dining-room service: TX885
- Cascades
 - Aerodynamics: TL574.C3
 - Turbines: TJ267.5.C3
- Case hardening
 - Steel metallurgy: TN752.C3
- Case method
 - Technical education: T65.5.C3
- Casein
 - Chemical technology: TP248.C4
 - Plastics: TP1180.C2
- Cashew oil
 - Chemical technology: TP684.C275
- Cashews
 - Cooking: TX814.2.C37
- Cashiering
 - Hotels, clubs, restaurants, etc.: TX911.3.C3
- Casing
 - Well drilling: TN871.22
- Cassava
 - Cooking: TX803.C37
 - Food values: TX558.C35
 - Starch: TP416.T3
- Cassiterite
 - Ore deposits and mining: TN472.C3
- Cast iron
 - Engineering materials: TA474+
 - Metallurgy: TN710+
- Cast-iron cookware
 - Cooking: TX657.C37
- Cast iron radiators
 - Hydronic systems: TH7487
- Castellated beams
 - Structural engineering: TA660.C37
- Castigliano's theorem: TA650+
- Casting
 - Metal manufactures: TS228.99+
 - Nonferrous metals: TS375
 - Plastics: TP1150+
- Castings
 - Building construction: TH1651+
 - Foundry work: TS236
- Castor oil
 - Chemical technology: TP684.C3
- Cat food: TS2288.C36
- Catadioptric systems
 - Lenses: TS517.5.C38
- Catalogs
 - Abrading machinery: TJ1287
 - Conveying machinery: TJ1395
 - Drills: TJ1265
 - Electronics: TK7870.3
 - Filter presses: TJ1475
 - Gas engines: TJ776
 - Handtools: TJ1200
 - Hoisting machinery: TJ1353
 - Hydraulic machinery: TJ902
 - Instruments for transmitting sound: TK6418
 - Lighting machinery and supplies: TK4195+
 - Liquors: TP617
 - Machine shop machinery: TJ1175
 - Machine tools: TJ1190
 - Machinery exclusive of prime movers: TJ1051
 - Mechanical engineering equipment: TJ168
 - Mechanical movements: TJ188
 - Motor vehicle dealers: TL160
 - Pipelines: TJ933
 - Presses: TJ1452
 - Radio apparatus: TK6563+
 - Steam boilers: TJ296
 - Steam engines: TJ473
 - Steam powerplants: TJ412
 - Steam pumps: TJ908
 - Telegraph apparatus and supplies: TK5295
 - Telephone apparatus and supplies: TK6195
 - Wind power: TJ827

INDEX

- Catalysis
 - Chemical engineering: TP156.C35
 - Environmental pollution: TD192.3
- Catalysts
 - Chemical technology: TP159.C3
- Catapults
 - Airports: TL732
- Catechisms
 - Steam boilers: TJ289
- Catechu
 - Textile dyes: TP925.C38
- Caterers' manuals
 - Hotels, clubs, restaurants, etc.: TX921
- Catfish
 - Cooking: TX748.C36
- Catgut industry: TS2301.C4
- Cathedrals
 - Fire prevention and extinction: TH9445.C5
- Cathode ray oscillographs
 - Electronic instruments: TK7878.7
- Cathode ray tube memory systems
 - Computer engineering: TK7895.C382
- Cathode ray tubes
 - Electronics: TK7871.73
 - Radar: TK6590.C3
 - Radio: TK6565.C3
- Catholics
 - Photographic portraits: TR681.C38
- Cats
 - Nature photography: TR729.C3
- Cattle guards
 - Railway structures: TF277
- Cattle passes
 - Railway structures: TF282
- Cavalier projection
 - Mechanical drawing: T365
- Cave photography: TR788
- Caviar
 - Cooking: TX748.C38
- Cavitation
 - Applied fluid mechanics: TA357.5.C38
 - Chemical engineering: TP156.C38
- CD-ROM drives
 - Computer engineering: TK7895.C39
- CD-ROMs
 - Computer engineering: TK7895.C39
- CDC 6600 computer: TK7889.C2
- CDMA (Wireless communication systems): TK5103.452
- CDPD (Standard)
 - Wireless communication systems: TK5103.48
- CEBUS
 - Computer networks: TK5105.56
- Ceilings
 - Building design and construction: TH2531+
- Celanese
 - Silk manufactures: TS1688.A1+
- Cell adhesion
 - Biotechnology: TP248.25.C42
- Cell culture
 - Biotechnology: TP248.25.C44
- Cell phones
 - Radio: TK6564.4.C45
- Cellars
 - Drainage: TH6671.C3
- Cellophane
 - Plastics: TP1180.C4
- Cellular flows
 - Applied fluid mechanics: TA357.5.C45
- Cellulase
 - Biotechnology: TP248.65.C44
- Celluloid
 - Plastics: TP1180.C5
- Cellulose
 - Aeronautics: TL699.C44
 - Biotechnology: TP248.65.C45
 - Insulating material: TK3441.C35
 - Plastics: TP1180.C6
 - Textile fiber: TS1544.C4
 - Wood composition: TS933.C4
- Cellulose acetate
 - Chemical technology: TP248.C45
- Cellulose insulation
 - Building construction: TH1718
- Cement
 - Analysis: TP882.3
 - Building construction: TH1461+
 - Chemical technology: TP875+
 - Fire-resistive building construction: TH1087
 - Masonry construction: TA680+
 - Masonry materials: TA434+
 - Sewer design and construction: TD682
 - Sidewalks: TE291
- Cement composites: TA438
- Cement construction maintenance and repair: TA682.446
- Cement guns: TA446
- Cement industries
 - Chemical technology: TP875+
 - Dust removal: TH7697.C4
 - Electric power: TK4035.C25
 - Energy conservation: TJ163.5.C45
 - Waste control: TD899.C38
- Cement manufacture: TP881+
- Cement materials
 - Mining engineering: TN945
- Cement pipes
 - Engineering materials: TA447
- Cement plants: TP882
 - Air pollution: TD888.C4
- Cement work
 - Handicrafts: TT295
- Cementation processes
 - Steel metallurgy: TN734

INDEX

- Centering of arches
 - Building construction: TH5591
- Centerpieces
 - Building design and construction: TH2531+
- Central heating
 - Building construction: TH7461+
- Central solar heating plants
 - Building construction: TH7413.5
- Central station management
 - Electric power plants: TK1811
- Central station testing
 - Electric power plants: TK1831
- Central station wiring
 - Electric power: TK3281
- Central stations
 - Electrical engineering: TK3201+
- Central stations, Air conditioning from: TH7687.75
- Central stations for lighting: TK4201+
- Centralized industrial waste treatment facilities: TD897.6
- Centrex telephone systems and services: TK6430
- Centrifugal blowers
 - Pneumatic machinery: TJ969
- Centrifugal pumps
 - Hydraulic machinery: TJ919
- Centrifuges
 - Chemical technology: TP159.C4
- Ceramic bearings
 - Mechanical engineering: TJ1073.C45
- Ceramic decoration: TP823
- Ceramic flowers
 - Decorative crafts: TT890.4
- Ceramic industries
 - Environmental effects: TD195.C42
- Ceramic materials
 - Aeronautics: TL699.C46
 - Electronics: TK7871.15.C4
 - Engineering materials: TA430, TA455.C43
 - Heat engines: TJ255.5
- Ceramic metals
 - Engineering materials: TA479.6
- Ceramic technology: TP807+
- Ceramic tile
 - Building construction: TH8541+
- Ceramics
 - Chemical technology: TP785+
 - Insulating material: TK3441.C38
- Ceramography: TP811.5
- Cereal products
 - Food processing and manufacture: TP434+
- Cereals
 - Cooking: TX808+
 - Food processing and manufacture: TP434+
 - Food values: TX557+
 - Manufactures: TS2120+
 - Nutrition: TX393+
 - Pet food industry: TS2288.C45
- Cereals, Prepared
 - Food processing and manufacture: TP435.C4
- Ceresin
 - Mineral oils and waxes: TP695
 - Mining engineering: TN857
- Cerium
 - Chemical technology: TP245.C45
- Cerussite: TN452.C4
- Cesium
 - Metallurgy: TN799.C4
 - Water pollutants: TD427.C48
- Cesspools
 - Sewage disposal: TD775
- CGI
 - Computer network protocols: TK5105.565
- CGNET
 - Computer networks: TK5105.875.C45
- Chafing dish cooking: TX825
- Chain blocks
 - Hoisting machinery: TJ1359
- Chain gearing
 - Mechanical engineering: TJ1117
- Chains
 - Metal manufactures: TS440+
- Chains, Metal
 - Engineering and construction: TA492.C6
- Chairs
 - Wood manufactures: TS886.5.C45
 - Woodworking: TT197.5.C45
- Chalcopyrite
 - Mining and metallurgy: TN442.C5
- Chalk
 - Mining engineering: TN948.C5
- Challah (Bread)
 - Cooking: TX770.C45
- Challenger automobile: TL215.C44
- Champlevé
 - Handicrafts: TT382.6
- Chandeliers
 - Woodworking: TT197.5.L34
- Chandler automobiles: TL215.C443
- Channel improvement
 - Hydraulic engineering: TC529
- Channel selectors
 - Television: TK6655.C5
- Channels
 - Structural engineering: TA660.C47
- Channels, Approach
 - Harbor engineering: TC352
- Chaptalization of wine: TP548.5.A38
- Character recognition, Optical: TA1640
- Characterization, Optical
 - Testing of materials: TA417.43
- Charcoal
 - Fuel: TP331
- Charcoal fires
 - Radiative heating: TH7423

INDEX

- Charge coupled devices
 - Semiconductors: TK7871.99.C45
- Charge transfer devices
 - Semiconductors: TK7871.99.C45
- Chariots transbordeurs
 - Railway structures: TF276
- Charm++ (Computer program language) in computer-aided engineering: TA345.5.P37
- Charts
 - Air navigation: TL587
- Chashitsu (Japanese tearooms)
 - Building design and construction: TH3000.C45
- Chassis
 - Motor vehicles: TL255+
- Chattering control
 - Control engineering: TJ223.C45
- Cheese
 - Cooking: TX759.5.C48
 - Nutrition: TX382
- Chemical analysis
 - Food: TX545
 - Food adulterants: TX569
- Chemical detectors
 - Chemical technology: TP159.C46
- Chemical engineering: TP155+
- Chemical engineering as a profession: TP186+
- Chemical fire engines
 - Fire prevention and extinction: TH9375
- Chemical industry
 - Energy conservation: TJ163.5.C54
 - Waste control: TD899.C5
- Chemical laboratories
 - Electric power: TK4035.C35
- Chemical lasers
 - Applied optics: TA1690
- Chemical plants: TP155.5+
 - Air pollution: TD888.C5
 - Building construction: TH4524
 - Dust removal: TH7697.C54
 - Electric power: TK4035.C37
 - Environmental effects: TD195.C45
 - Fire prevention and extinction: TH9445.C47
 - Heating and ventilation: TH7392.C56
 - Management: TP155.6
 - Noise control: TD893.6.C45
 - Ventilation: TH7684.C44
- Chemical precipitation
 - Sewage purification: TD751
 - Water purification: TD455
- Chemical preservation
 - Food processing: TP371.4+
- Chemical process control: TP155.75
- Chemical processes: TP155.7+
 - Nuclear engineering: TK9350
- Chemical processing
 - Wood: TS920+
- Chemical propulsion systems: TL783+
- Chemical rockets: TL783+
- Chemical systems
 - Fire prevention and extinction: TH9338
- Chemical technicians: TP186.5
- Chemical technology: TP1+
- Chemical telegraph system: TK5549
- Chemical treatment
 - Pollution control methods: TD192.2+
 - Water purification: TD451+
- Chemical vapor deposition
 - Metal finishing: TS695+
- Chemical weapons
 - Water pollutants: TD427.C54
- Chemicals
 - Chemical technology: TP200+
 - Environmental pollutants: TD196.C45
 - Fire prevention and extinction: TH9446.C5
 - Petroleum products: TP692.3
- Chemicals, Agricultural
 - Environmental pollutants: TD196.A34
 - Soil pollutants: TD879.A35
- Chemistry
 - Home economics: TX149
 - Leather industries: TS967
 - Paper manufacture: TS1120
- Chemistry, Environmental: TD193+
- Chemistry testing
 - Food processing: TP372.5+
- Chemistry, Textile: TS1474.5
- Cherries
 - Cooking: TX813.C4
 - Food processing and manufacture: TP441.C45
 - Preservation and storage: TX612.C5
- Chessmen
 - Decorative crafts: TT896.55
- Chestnuts
 - Cooking: TX814.2.C48
 - Food processing and manufacture: TP439.5.C45
- Chevelle automobiles: TL215.C48
- Chevrolet automobiles: TL215.C5
- Chia
 - Food values: TX558.C38
- Chicken
 - Cooking: TX750.5.C45
- Chickpea
 - Food values: TX558.C4
- Child-resistant packaging: TS198.C46
- Child seats
 - Automobiles: TL159.5
- Children
 - Nutrition: TX361.C5
 - Photographic portraits: TR681.C5
- Children, Articles for
 - Handicrafts: TT174+
- Children's clothing: TT635+
- Children's furniture
 - Woodworking: TT197.5.C5

INDEX

- Children's playhouses
 - Building construction: TH4967
- Children's rooms
 - House remodeling: TH4816.3.C45
- Chile saltpeter
 - Mining engineering: TN911
- Chilled beams
 - Air conditioning: TH7687.78
- Chimney tops
 - Ventilation of buildings: TH7683.V4
- Chimneys
 - Boiler furnaces: TJ330+
 - Building construction: TH2281+
 - Fire prevention and extinction: TH9445.C48
- Chimneys, Powerplant
 - Building construction: TH4591
- Chinese New Year decorations
 - Decorative crafts: TT900.C38
- Chinese wood oil
 - Chemical technology: TP684.T8
- Chiolite
 - Mining engineering: TN948.C55
- Chip scale packaging
 - Electronics: TK7870.17
- Chitin
 - Biotechnology: TP248.65.C55
- Chlorates
 - Industrial electrochemistry: TP261.C5
- Chlorides
 - Salts: TP233
- Chlorination
 - Gold and silver metallurgy: TN765
 - Sewage disposal: TD747.7
 - Water purification: TD462+
- Chlorine
 - Air pollutants: TD885.5.C47
 - Chemical technology: TP245.C5
 - Sewage treatment: TD758.5.C45
- Chlorine compounds
 - Environmental pollutants: TD196.C5
- Chlorine dioxide
 - Fire prevention and extinction: TH9446.C6
 - Water purification: TD464
- Chlorite
 - Prospecting: TN271.C47
- Chlorofluorocarbons
 - Air pollutants: TD887.C47
- Chlorofluoromethane
 - Air pollutants: TD885.5.C5
- Chloroform
 - Chemical technology: TP248.C5
- Chocolate
 - Nonalcoholic beverages: TP638+
 - Recipes: TX767.C5
- Chocolate beverages
 - Cooking: TX817.C4
- Chocolate, White
 - Cooking: TX767.W48
- Cholesterol
 - Food constituent: TX553.C43
- Choline
 - Food constituent: TX553.C45
- Choppers (Motorcycles): TL442.7
- Christmas
 - Cooking: TX739.2.C45
- Christmas cards
 - Decorative crafts: TT872
- Christmas decorations
 - Decorative crafts: TT900.C4
- Chromatography
 - Chemical engineering: TP156.C5
 - Food analysis: TX548+
- Chrome-manganese steel
 - Metallurgy: TN757.C48
- Chrome-nickel steel
 - Metallurgy: TN757.C49
- Chrome steel
 - Metallurgy: TN757.C5
- Chromic acid: TP217.C5
- Chromic materials
 - Engineering materials: TA455.C45
- Chromium
 - Assaying: TN580.C5
 - Chemical technology: TP245.C6
 - Electroplating: TS692.C4
 - Engineering materials: TA480.C5
 - Environmental pollutants: TD196.C53
 - Metallography: TN693.C5
 - Metallurgy: TN799.C5
 - Ore deposits and mining: TN490.C4
 - Ore dressing and milling: TN538.C57
 - Photography: TR433
 - Prospecting: TN271.C5
 - Soil pollutants: TD879.C45
 - Water pollutants: TD427.C57
- Chromium steel
 - Engineering and construction: TA479.C5
- Chromizing
 - Steel metallurgy: TN752.C5
- Chronophotography: TR840
- Chucks
 - Machine shops: TJ1219
- Church facilities
 - Environmental effects: TD195.C47
- Church supplies industry: TS2301.C5
- Churches
 - Building construction: TH4221
 - Energy conservation: TJ163.5.C57
 - Fire prevention and extinction: TH9445.C5
 - Heating and ventilation: TH7392.C6
 - Ventilation: TH7684.C6
- Chutes for letters, parcels, cash, etc.: TJ1398

INDEX

- Cider
 - Beverages: TP563+
 - Cooking: TX726.2
- Cigarettes
 - Tobacco industry: TS2260
- Cigars
 - Tobacco industry: TS2260
- Cinder
 - Sidewalks: TE283
- Cinematograph: TR880
- Cinematography: TR845+
- Cinemitrailluse
 - Aeronautical instrument: TL589.2.C5
- Cineradiography
 - Cinematography: TR896.8
- Cinnabar
 - Ore deposits and mining: TN462.C5
- Cinnamon
 - Cooking: TX819.C53
- Cipher codes
 - Aircraft: TL694.C6
- Circuit breakers: TK2842
 - Dynamoelectric machinery: TK2841+
- Circuits
 - Computer engineering: TK7888.4
- Circuits manuals
 - Electronics: TK8300+
- Circularly polarized antennas: TK7871.67.S65
- Circulation piping
 - Plumbing: TH6568
- Ciro-flex cameras
 - Photography: TR263.C5
- Cisco: TK5105.8.C57
- Cisco IronPort (Electronic mail system): TK5105.74.C57
- Citizen participation
 - Environmental protection: TD171.7
 - Hazardous substance disposal: TD1050.C57
- Citizens band radio: TK6570.C5
- Citric acid
 - Biotechnology: TP248.65.C58
 - Chemical technology: TP248.C6
- Citroën automobiles: TL215.C56
- Citronella oil
 - Organic chemical industries: TP959.C5
- Citrus fruits
 - Cooking: TX813.C5
 - Food values: TX558.C5
 - Preservation and storage: TX612.C57
- Citrus oils
 - Organic chemical industries: TP959.C54
- Citrus processing plants
 - Waste control: TD899.C55, TD899.C57
- Citrus products
 - Food processing and manufacture: TP441.C5
- City planning
 - Municipal engineering: TD160+
 - City planning, Climatic factors in: TD168.5
- City surveying
 - City planning: TD167
- Civil 3D, AutoCAD
 - Computer-aided engineering: TA345.5.A98
- Civil aviation: TL552
- Civil engineering: TA1+
 - Environmental effects: TD195.C54
- Civilian use of outer space: TL794.7
- Cladding
 - Exterior walls: TH2238
- Claims of inventors
 - Telegraph: TK5117+
 - Telephone: TK6017+
- Clams
 - Cooking: TX754.C53
- Clapboard walls
 - Building design and construction: TH2244
- Clarification
 - Wine: TP548.5.C53
- Claris Home page
 - Web authoring software: TK5105.8885.C55
- Classification
 - Hazardous substances: TD1050.C65
 - Motion picture film: TR889
- Classifiers
 - Ore dressing and milling: TN515
- Clay
 - Ceramic technology: TP811
 - Mining engineering: TN941+
 - Prospecting: TN271.C53
 - Sewer design and construction: TD682
- Clay analysis
 - Ceramic technology: TP811
- Clay industries
 - Chemical technology: TP785+
- Clay minerals
 - Engineering materials: TA455.C55
- Clay modeling
 - Decorative crafts: TT916
- Clay ovens
 - Cooking: TX657.O57
- Clay pipe
 - Engineering materials: TA447
 - Sewer design and construction: TD684
- Clay pot cooking: TX825.5
- Clean rooms
 - Dust removal: TH7694
- Cleaning
 - Brick: TH5520
 - Hats: TS2193
 - Masonry: TH5520
 - Metal finishing: TS654
 - Motor vehicle operation: TL152.15
 - Sewers: TD719
 - Stone: TH5520
 - Textiles: TP895
 - The house: TX324

INDEX

- Cleaning compounds
 - Chemical technology: TP990+
 - Fire prevention and extinction: TH9446.C65
- Cleaning industry, Waste from
 - Environmental technology: TD899.C58
- Cleaning plants
 - Fire prevention and extinction: TH9445.C6
- Cleanout ferrules
 - House drainage: TH6646
- Cleanouts
 - House drainage: TH6635
- Cleveland motorcycle: TL448.C54
- Climate change mitigation
 - Environmental protection: TD171.75
- Climatic factors
 - City planning: TD168.5
 - Heating and ventilating systems: TH7015
- Clinker brick
 - Brickmaking: TP832.C5
- Clinker concrete
 - Cement manufacture: TP884.C5
- Clinkers
 - Masonry materials: TA441
- Clinoptilolite
 - Mining engineering: TN948.C6
- Clocks
 - Manufactures: TS540+
- Cloisonné
 - Handicrafts: TT382.6
- Close-up photography: TR683+
- Closed-circuit television: TK6680
- Closed circular ring problems
 - Engineering mathematics: TA347.C54
- Closets
 - Building design and construction: TH3000.C55
- Clothing
 - Home economics: TX340
- Clothing factories: TT498
 - Building construction: TH4522
 - Electric power: TK4035.C4
- Clothing for boys: TT630
- Clothing for girls: TT562
- Clothing for people with disabilities: TT648
- Clothing for pilots: TL697.C6
- Clothing manufacture: TT490+
- Clouds
 - Meteorological aeronautics: TL557.C6
 - Meteorological photography: TR733
- Clubhouses
 - Building construction: TH4800
 - Electric power: TK4035.C47
- Clubs: TX901+
- Clutches
 - Mechanical engineering: TJ1074
 - Motor vehicles: TL261
- CMMB
 - Mobile television
 - Standards: TK6678.5.C56
- Cnidoscopus oil
 - Chemical technology: TP684.C6
- Coagulants
 - Chemical technology: TP159.C55
- Coagulation
 - Water purification: TD455
- Coagulation, Sedimentation with
 - Sewage purification: TD751
- Coal
 - Environmental pollutants: TD196.C63
 - Fuel: TP325+
 - Gas manufacture: TP751.7
 - Mining engineering: TN799.9+
 - Prospecting: TN271.C58
- Coal briquets
 - Fuel: TP327
- Coal cars
 - Railway equipment: TF479
- Coal computations: TF555
- Coal-fired power plants
 - Water pollution: TD428.C58
- Coal gasification: TP759
- Coal-handling machinery
 - Collieries: TN815
 - Conveying machinery: TJ1405
- Coal-handling plants
 - Building construction: TH4471
- Coal heating of buildings: TH7400
- Coal liquefaction
 - Fuel: TP352
 - Waste control: TD899.C585
- Coal miners
 - Photographic portraits: TR681.C62
- Coal mines and mining: TN802+
 - Environmental effects: TD195.C58
 - Water pollution: TD428.C6
- Coal mining machinery: TN813+
- Coal preparation: TN816.A1+
- Coal preparation plants
 - Dust removal: TH7697.C58
 - Electric lighting: TK4399.C6
 - Waste control: TD899.C588
- Coal products
 - Organic chemical industries: TP953
- Coal screening: TN816.A1+
- Coal slurry pipelines: TJ898.5
- Coal storage: TN817
- Coal stove heating
 - Convective heating: TH7443+
- Coal stoves
 - Cooking: TX657.S4
- Coal tar
 - Organic chemical industries: TP953

INDEX

- Coal-tar colors
 - Textile dyeing: TP914
- Coal washing: TN816.A1+
- Coal weathering: TN817
- Coalbed methane: TN844+
- Coaling plants
 - Railway structures: TF294
- Coaling stations
 - Air pollution: TD888.C58
- Coalsheds
 - Railway structures: TF294
- Coast protective works
 - Harbors: TC203+
 - Hydraulic engineering: TC330+
- Coastal engineering: TC203+
- Coaster cars: TL482
- Coating of fabrics
 - Textile industries: TS1512
- Coating processes
 - Chemical engineering: TP156.C57
- Coatings
 - Engineering materials: TA418.9.C57
 - Packaging materials: TS198.3.C6
 - Paper manufacture: TS1118.F5
 - Space vehicles: TL954.P35
- Coats
 - Men's tailoring: TT595
 - Women's tailoring: TT530
- Cob
 - Brickmaking: TP832.C6
- Cobalt
 - Chemical technology: TP245.C7
 - Electroplating: TS692.C57
 - Engineering materials: TA480.C6
 - Metallography: TN693.C8
 - Metallurgy: TN799.C6
 - Ore deposits and mining: TN490.C6
 - Soil pollutants: TD879.C63
- Cobalt mines and mining
 - Environmental effects: TD195.C59
- Cobblestone
 - Pavements: TE259
- Coca flour
 - Food values: TX558.C54
- Cochineal
 - Textile dyes: TP925.C63
- Cockpit
 - Airplanes: TL681.C6
- Cocoa
 - Chemical technology: TP640
 - Nutrition: TX415
- Cocoa beverages
 - Cooking: TX817.C4
- Cocoa butter
 - Chemical technology: TP684.C2
- Coconut fiber
 - Textile fiber: TS1544.C6
- Coconut flour
 - Cooking: TX814.5.C63
- Coconut oil
 - Chemical technology: TP684.C7
 - Cooking: TX819.C58
 - Fuel: TP359.C63
- Coconuts
 - Cooking: TX814.2.C63
 - Food processing and manufacture: TP439.5.C6
- Code division multiple access: TK5103.452
- Coded centralized traffic control
 - Railway operation: TF639
- Codfish
 - Cooking: TX748.C63
- Coding theory
 - Electrical engineering: TK5102.92+
- Coffee
 - Adulteration: TX583
 - Chemical technology: TP645
 - Cooking: TX817.C6
 - Food values: TX560.C63
 - Nonalcoholic beverages: TP638+
 - Nutrition: TX415
- Coffee (as a flavor)
 - Cooking: TX819.C6
- Coffee making paraphernalia
 - Cooking: TX657.C67
- Coffee processing plants
 - Air pollution: TD888.C6
- Cofferdams
 - Hydraulic engineering: TC198
- Coffins
 - Woodworking: TT197.5.C62
- Cognitive radio networks: TK5103.4815
- Coherent radar: TK6592.C6
- Coherers
 - Radiotelegraph: TK5863
- Coil boilers
 - Hot water heating: TH7530+
- Coils
 - Electronics: TK7872.C56
 - Radiators: TH7482+
 - Radio: TK6565.C6
- Coin operated machines
 - Mechanical engineering: TJ1557+
- Coir
 - Textile fiber: TS1747.C6
- Coke
 - Fuel: TP336
 - Petroleum products: TP692.4.C6
- Coke industry
 - Electric power: TK4035.C6
- Cold air supply
 - Warm-air heating: TH7608
- Cold cathode tubes: TK7871.84.C6
- Cold dishes
 - Cooking: TX830

INDEX

- Cold plates
 - Electronics: TK7872.H4
- Cold resistant materials: TA418.28
- Cold roll forming
 - Manufactures: TS207.3.C65
- Cold storage
 - Food preservation: TP372.2
- Cold-storage foods
 - Cooking: TX826
- Cold water supply
 - Building construction: TH6541+
- Cold weather conditions
 - Airports: TL725.3.C6
 - Building construction: TH153
 - Cement and concrete construction: TA682.43
 - Mining: TN291.26
- Cold weather operation
 - Airplanes: TL711.C64
 - Railway operation: TF506
- Cold weather photography: TR792
- Cold working of metals
 - Manufactures: TS207+
- Collage
 - Crafts: TT910
- Collar bearings
 - Machinery: TJ1069
- Collectibles
 - Cooking: TX642
- Collecting
 - Firearms: TS532.4
- Collecting reservoirs
 - Sewers: TD722
- Collection of municipal refuse
 - Environmental technology: TD785+
- Collectors
 - Firearms: TS532.4
- Collectors and collecting
 - Cooking: TX642
 - Model airplanes: TL772
 - Model motor vehicles: TL237.2
 - Motorcycles: TL444.2
 - Radio receiving apparatus: TK6563.2
 - Tractors: TL233.25
- College buildings
 - Heating and ventilation: TH7392.S35
- College students
 - Nutrition: TX361.C6
- Colleges
 - Energy conservation: TJ163.5.U5
- Collision avoidance systems
 - Motor vehicles: TL272.52
- Collision prevention
 - Aeronautical navigation: TL696.C6
- Collodion process
 - Photographic process: TR390
- Colloidal concrete
 - Cementing substance: TA443.C64
- Colloidal fuel: TP360
- Colloids
 - Food constituents: TP453.C65
- Collotype processes
 - Photography: TR930+
- Color
 - Wine and winemaking: TP548.5.C64
- Color as a safety measure
 - Industrial safety: T55.3.C6
- Color blindness
 - Railway operation: TF620
- Color cinematography: TR853
- Color combinations
 - Textile dyeing: TP892
- Color of food
 - Food processing: TP370.9.C64
- Color photography
 - Photographic processing: TR510+
- Color processes
 - Photography: TR977
- Color removal
 - Sewage disposal: TD758.5.C65
 - Water treatment and conditioning: TD468
- Color television: TK6670
- Colorants
 - Food additives: TP456.C65
- Colored glass
 - Glassmaking: TP861.5
- Coloring
 - Metal finishing: TS710, TT382.2
 - Paper manufacture: TS1118.D9
- Coloring matter
 - Effect on food: TX571.C7
- Coloring of bone
 - Painting: TT370
- Coloring of prints
 - Photographic processing: TR485
- Coloring of stone
 - Painting: TT370
- Colors
 - Ceramic decoration: TP823
 - Dyeing: TP907
- Columbian Exposition, 1893: T500
- Columns
 - Building design and construction: TH2252+
 - Reinforced concrete construction: TA683.5.C7
 - Structural engineering: TA660.C6
- Columns, Metal
 - Engineering and construction: TA492.C7
- Comb industry
 - Manufactures: TS2301.C75
- Combination warm-air heating systems: TH7635
- Combinatorial analysis
 - Engineering mathematics: TA347.C6
- Combined purpose desalination plants: TD479.5
- Combined sewerage system: TD662

INDEX

- Combines
 - Agricultural machinery: TJ1486
- Combing
 - Cotton manufactures: TS1578
 - Textile manufactures: TS1485+
 - Woolen manufactures: TS1628
- Combing machines: TS1487
- Combustible gas detectors
 - Fire prevention and extinction: TH9271
- Combustion
 - Diesel engines: TJ797
 - Furnaces: TJ324.7
 - Rockets: TL784.C6
- Combustion chambers
 - Jet engines: TL709.5.C55
 - Machinery: TJ254.7
- Combustion engineering: TJ254.5+
- Combustion gases
 - Air pollutants: TD885.5.C66
- Combustion, Spontaneous
 - Fire prevention: TH9198
- Comfort women
 - Photographic portraits: TR681.P73
- Command
 - Fire extinction: TH9310.8
- Command control equipment
 - Astronautics: TL4040+
- Command control systems
 - Space vehicles: TL3280
- Commercial buildings
 - Air conditioning: TH7688.C64
 - Artificial lighting: TH7975.C65
 - Construction: TH4311+
 - Electric wiring: TK3284
 - Heating and ventilation: TH7392.C65
- Commercial cinematography
 - Photography: TR894.3+
- Commercial correspondence
 - Hospitality industry: TX911.3.C6
- Commercial garment cleaning and dyeing: TP932+
- Commercial laundry work: TT990
- Commercial photography: TR690+
- Communal kitchens
 - Food service: TX946
- Communication equipment
 - Aircraft: TL692+
- Communication in chemical engineering: TP186.7+
- Communication in materials engineering: TA404.25
- Communication in mechanical engineering: TJ160+
- Communication methods
 - Aircraft: TL692+
 - Space vehicles: TL3025+
- Communication, Near field
 - Radio: TK6570.N43
- Communication of aeronautics information: TL563.5+
- Communication of automotive information: TL10+
- Communication of building information: TH215+
- Communication of cooking information: TX643+
- Communication of handicraft information: TT10+
- Communication of metallurgical information: TN610+
- Communication of photography information: TR10+
- Communication of technical information: T10.5+
- Communication of water supply information: TD209+
- Communication systems
 - Airports: TL725.3.C63
 - Fire prevention and extinction: TH9280
 - Highway engineering: TE228.3+
- Communications
 - High speed ground transportation: TF1520
- Communications, Machine-to-machine: TK5105.67
- Communications software
 - Electrical engineering: TK5105.9
- Communicator (Netscape): TK5105.883.N49
- Community antenna television: TK6675
- Community server
 - Web authoring software: TK5105.8885.C58
- Community water tower systems
 - Fire prevention and extinction: TH9333
- Commutation and brush resistance
 - Dynamolectric machinery: TK2281
- Commutation pole generators
 - Dynamolectric machinery: TK2665
- Commutators and collectors
 - Generators: TK2481
- Compact disc players
 - Electronics: TK7881.75
- Compact discs
 - Electronics: TK7882.C56
- Compacting
 - Chemical engineering: TP156.C59
- Compagnie nouvelle du canal de Panama: TC779+
- Compagnie universelle du canal interocéanique de Panama: TC778+
- Compass
 - Surveying instruments: TA563
- Compass (Gyroscope)
 - Aeronautical instrument: TL589.2.C58
- Compass (Magnetic)
 - Aeronautical instrument: TL589.2.C6
- Compass surveying: TA595+
- Compensating powder
 - Explosives: TP290.C7
- Competitions
 - Cooking: TX648
- Complex analysis
 - Engineering mathematics: TA347.C64
- Compliant platforms
 - Ocean engineering: TC1700+
- Composer (Netscape)
 - Web authoring software: TK5105.8885.N49
- Composite materials
 - Aeronautics: TL699.C57
 - Engineering materials: TA418.9.C6
 - Motor vehicle construction materials: TL240.5.C65

INDEX

- Composite materials
 - Structural engineering: TA664
 - Testing: TA417.7.C6
- Composite photography: TR685
- Composite systems (A.C. and D.C.)
 - Electrical engineering: TK3171
- Composite systems (D.C. and A.C.)
 - Electric lighting: TK4308
- Composition
 - Photography: TR179
- Composition of food: TX501+
- Composition roofing
 - Building construction: TH2450+
- Composting
 - Municipal refuse: TD796.5
- Compound semiconductors
 - Electronics: TK7871.99.C65
- Compounding
 - Distilling: TP612
- Compressed-air automobiles: TL225
- Compressed air engines: TJ766+
- Compressed air machinery: TJ981+
- Compressed air railways: TF838
- Compressed gas
 - Chemical technology: TP243
 - Gas industry: TP761.C65
- Compressed natural gas automobiles: TL228
- Compressed wood: TS868
- Compressed yeast
 - Leavening agents and baking aids: TP433
- Compressibility
 - Aerodynamics: TL574.C4
- Compressibility burbles
 - Aerodynamics: TL574.T8
- Compression
 - Testing of materials: TA417.7.C65
- Compression, Image: TA1638
- Compressor stations
 - Dust removal: TH7697.C6
- Compressors
 - Aeronautics: TL697.C65
 - Chemical technology: TP159.C57
 - Electric driving: TK4059.C64
 - Jet engines: TL709.5.C56
 - Locomotives: TJ669.C6
 - Turbines: TJ267.5.C5+
- Computation of areas
 - Surveying: TA613+
- Computational fluid dynamics
 - Applied fluid mechanics: TA357.5.D37
- Computational methods
 - Structural engineering: TA640+
- Computational photography
 - Digital photography: TR267.3
- Computer-aided engineering
 - Engineering mathematics: TA345+
- Computer animation
 - Cinematography: TR897.7+
- Computer art
 - Decorative crafts: TT869.5
- Computer-assisted drafting: T385
- Computer-assisted instruction
 - Technical education: T65.5.C65
- Computer components
 - Manufacturing: TK7886
- Computer coordination of multiple radar systems: TK6582
- Computer engineering: TK7885+
- Computer engineering as a profession: TK7885.53+
- Computer flight games
 - Airplanes: TL712.8
- Computer furniture
 - Woodworking: TT197.5.C65
- Computer graphics: T385
- Computer hardware: TK7885+
- Computer installations
 - Fire prevention and extinction: TH9445.C65
- Computer integrated manufacturing systems: TS155.63
- Computer manufacturing plants: TK7886
- Computer network architectures
 - Electrical engineering: TK5105.52+
- Computer network management: TK5105.548+
- Computer network protocols: TK5105.55+
- Computer network resources: TA158.7
 - Chemical engineering: TP186.8
 - Handicrafts: TT11
 - Motor vehicles: TL11
 - Photography: TR11
- Computer network security: TK5105.59
- Computer networks
 - Electrical engineering: TK5105.5+
- Computer output microfilm devices: TK7887.8.C6
- Computer printers
 - Computer engineering: TK7887.7
- Computer programs
 - Orbital transfer: TL1078
 - Space trajectories: TL1078
- Computer simulation
 - Biotechnology: TP248.25.A96
 - Civil engineering: TA404.23
 - Mechanical engineering: TJ211.47
 - Telecommunication: TK5102.83
- Computer sound processing
 - Internet: TK5105.8863
- Computer technicians
 - Electronics: TK7885.54
- Computer vision: TA1634
- Computers
 - Amateurs' manuals: TK9969
 - Fire prevention and extinction: TH9445.C65
 - Manufacturing: TK7886
 - Motor vehicles: TL272.53
- COMSOL Multiphysics
 - Computer-aided engineering: TA345.5.C66

INDEX

- Concentrating
 - Ore dressing and milling: TN520+
- Concierge service
 - Hotels, clubs, restaurants, etc.: TX911.3.C63
- Concierges
 - Hotels, clubs, restaurants, etc.: TX911.3.C63
- Concrete
 - Fire-resistive building construction: TH1087
 - Masonry construction: TA680+
 - Masonry materials: TA439+
 - Sewer design and construction: TD682
 - Sidewalks: TE291
- Concrete and stone
 - Bridge engineering: TG367
- Concrete and timber
 - Masonry materials: TA442
- Concrete-block building construction: TH1491
- Concrete blocks
 - Cement manufacture: TP885.C7
 - Housing material: TH4818.C6
- Concrete bridges: TG335+
- Concrete building construction: TH1461+
- Concrete construction maintenance and repair: TA682.446
- Concrete construction, Reinforced
 - Structural engineering: TA682.92+
- Concrete corrosion: TA440
- Concrete dams: TC547
- Concrete domes
 - Building design and construction: TH2170.5
- Concrete mine supports
 - Mining: TN289.5
- Concrete (Nonstructural)
 - Floors and flooring: TH2529.C6
- Concrete piling
 - Foundations: TA787
- Concrete pipes
 - Engineering materials: TA447
- Concrete roads and pavements: TE278+
- Concrete roofing
 - Building construction: TH2446
- Concrete slabs
 - Cement manufacture: TP885.C7
- Concrete walls
 - Building design and construction: TH2245
- Condensation
 - Chemical engineering: TP156.C6
- Condensation trails
 - Aeronautical meteorology: TL557.C7
- Condense-waste systems
 - Low-pressure steam heating: TH7575
- Condensers
 - Dynamolectric machinery: TK2805
 - Electronics: TK7872.C65
 - Radio: TK6565.C65
- Condiments
 - Cooking: TX819.A1+
 - Flavoring aids: TP420
- Condiments
 - Nutrition: TX406+
- Conduct
 - Household employees: TX333
- Conductivity, Thermal
 - Thermal properties: TA418.54
- Conductors
 - Building construction: TH2493
 - Electric power: TK3301+
- Conduit material
 - Telegraph: TK5467
- Conduits
 - Hydrodynamics: TC174
 - Water supply: TD398
- Conex containers
 - Packaging: TS198.6.C6
- Confectioners' supplies: TX778
- Confectionery
 - Cooking: TX761+
 - Food values: TX560.C65
- Configuration management of products
 - Product design: TS171.55
- Congelation of beverages: TP658
- Conglomerate
 - Mining engineering: TN948.C72
- Connecting rods
 - Aircraft engines: TL702.C5
 - Locomotives: TJ662
- Connections
 - House drainage: TH6613
 - Telegraph: TK5401+
 - Telephone: TK6301+
- Connections piping
 - Plumbing: TH6568
- Connectors
 - Electric power transmission: TK3521
- Conservation
 - Airplanes: TL671.95
 - Motorcycles: TL444.2
 - Photographs: TR465
 - Tractors: TL233.25
- Conservation, Water: TD388+
- Consolidation
 - Soils: TA710+
- Constant-current generators
 - Dynamolectric machinery: TK2665
- Constant-potential generators
 - Dynamolectric machinery: TK2665
- Constant volume sampling
 - Automobile exhaust: TD886.6.C66
- Constructed wetlands
 - Sewage treatment: TD756.5
- Construction
 - Airships: TL660
 - Balloons: TL622
 - Boilermaking: TJ290+
 - Electric railways: TF863+

INDEX

- Construction
 - High speed ground transportation: TF1470+
 - Lighthouses: TC375+
 - Locomotives: TJ635
 - Petroleum pipelines: TN879.53
 - Radioactive waste sites: TD898.155.D47
 - Sewers: TD678+
 - Telegraph: TK5401+
 - Telephone: TK6301+
 - Warm-air heating: TH7609
- Construction details
 - Gasoline automobiles: TL210+
 - Highway engineering: TE210+
- Construction equipment
 - Building construction: TH900+
 - Electric driving: TK4059.C65
 - Internal combustion engines: TJ793.2
- Construction industry
 - Air pollution: TD888.C63
 - Energy conservation: TJ163.5.C65
 - Environmental effects: TD195.C595
 - Noise control: TD893.6.C6
 - Waste control
 - Environmental technology: TD899.C5885
 - Water pollution: TD428.C64
- Construction methods
 - Cement and concrete construction: TA682.4+
 - Reinforced concrete construction: TA683.4+
- Construction on contaminated sites: TH1095.5
- Construction, Precast
 - Reinforced concrete construction: TA683.7
- Construction, Prestressed concrete: TA683.9+
- Consulting engineering: TA215.22+
- Consumer education
 - Household administration: TX335+
- Consumer products, Safety of
 - Product engineering: TS175
- Consumers' guides
 - Gas lighting: TH7915
- Contact mechanics
 - Applied dynamics: TA353
- Contact prints
 - Photography: TR312
- Contactors
 - Electronics: TK7872.C67
- Contacts
 - Electronics: TK7872.C68
- Containerization
 - Transportation engineering: TA1215
- Containers
 - Packaging: TS197.5
- Containment
 - Nuclear reactors: TK9211
- Contaminated processed metals
 - Environmental pollutants: TD196.M4
- Contaminated sites, Construction on: TH1095.5
- Contamination
 - Electronics: TK7870.27
 - Space vehicles: TL946
- Contax cameras
 - Photography: TR263.C6
- Continuous beams
 - Structural engineering: TA660.B43
- Continuous frames
 - Structural engineering: TA660.F72
- Continuous girder bridges: TG413+
- Continuous girders: TG355
- Continuous ingot casting
 - Steel metallurgy: TN750
- Continuous rails
 - Railway construction: TF262
- Continuous systems
 - Structural analysis: TA651
- Continuous wave radar: TK6592.C65
- Continuously variable transmission devices: TL264.C66
- Contracting: TA201+
- Contractor, Hiring a
 - House construction: TH4815.4
- Contractors
 - Building construction: TH12+
- Contractors' operations and equipment: TA201+
- Contracts
 - Engineering economy: TA180+
- Control
 - Aerodynamics: TL574.C6
 - Biotechnology: TP248.25.M65
 - Environmental pollution: TD172+
 - Fire extinction: TH9310.8
 - Petroleum pipelines: TN879.52
- Control apparatus
 - Airplanes: TL678+
- Control compartment
 - Airships: TL662.C6
- Control engineering systems
 - Mechanical engineering: TJ212+
- Control of Internet access: TK5105.8855
- Control of production systems
 - Production management: TS155.8+
- Control of quantum systems: TK7874.885
- Control rooms for nuclear facilities: TK9220
- Control stick
 - Airplanes: TL678+
- Control surfaces
 - Airplanes: TL676+
- Control systems
 - Aircraft engines: TL702.A37
 - Gasoline automobiles: TL214.C64
 - Jet engines: TL709.5.C57
 - Mechanical engineering: TJ211.35, TJ214+
- Control tower display systems
 - Aeronautical navigation: TL696.C75
- Control towers
 - Airports: TL725.3.C64

INDEX

- Controllable pitch aircraft propellers: TL707.P5
- Controlled release technology
 - Chemical engineering: TP156.C64
- Controllers
 - Dynamoelectric machinery: TK2851
 - Electric railways: TF930
- Controls
 - Rockets: TL784.C63
- Convection
 - Applied fluid mechanics: TA357.5.C65
- Convection oven cooking: TX840.C65
- Convective heating
 - Building construction: TH7435+
- Convenience foods: TP451.C6
 - Nutrition: TX370
- Converters
 - Dynamoelectric machinery: TK2796
- Convertpilanes: TL685
- Convex programming
 - Industrial engineering: T57.815
- Conveying machinery
 - Electric driving: TK4059.C67
 - Fire prevention and extinction: TH9445.C67
 - Mechanical engineering: TJ1350+
- Conveying of gases, liquids and solids by means of steam, air, or water: TJ898+
- Conveyors for assembly line production
 - Conveying machinery: TJ1390+
- Conveyors for letters, parcels, cash, etc.: TJ1398
- Cookbooks: TX703+
- Cookers
 - Cooking: TX657.C7
- Cookie cutters
 - Cooking: TX657.C72
- Cookie molds
 - Cooking: TX657.C72
- Cookies
 - Cooking: TX772
- Cooking
 - Home economics: TX641.2+
- Cooking en casserole: TX693
- Cooking for large numbers: TX820
- Cooking information, Communication of: TX643+
- Cooking processes: TX681+
- Cooking using alcoholic beverages: TX726+
- Cooking using fermented beverages: TX726+
- Cooks
 - Cooking
 - Biography: TX649.A1+
 - Photographic portraits: TR681.C66
- Cookware
 - Cooking: TX657.C74+
- Cooling
 - Buildings: TH7687+
 - Chemical technology: TP363
 - Diesel engines: TJ799
 - Electronic apparatus and materials: TK7870.25
- Cooling
 - Internal combustion engines: TJ789
 - Nuclear reactors: TK9212
 - Rockets: TL784.C65
- Cooling systems
 - Aircraft engines: TL702.R3
 - Gasoline automobiles: TL214.R3
 - Jet engines: TL709.5.C6
- Cooling towers
 - Chemical technology: TP159.C6
 - Environmental effects: TD195.C6
 - Steam engines: TJ563
- Cooperage
 - Manufactures: TS890
- Coordinate measuring machines: TA165.5
- Copper
 - Aeronautics: TL699.C6
 - Assaying: TN580.C64
 - Chemical technology: TP245.C8
 - Electrical engineering: TK454.4.C6
 - Electroplating: TS692.C6
 - Engineering materials: TA480.C7
 - Metallography: TN693.C9
 - Metallurgy: TN780
 - Ore deposits and mining: TN440+
 - Ore dressing and milling: TN538.C66
 - Powder metallurgy: TN697.C65
 - Prospecting: TN271.C6
 - Waste disposal: TD812.5.C66
 - Water pollutants: TD427.C66
- Copper alloys: TL699.C6
- Copper conductors
 - Electric power: TK3311.C6
- Copper founding
 - Manufactures: TS620+
- Copper industry
 - Air pollution: TD888.C64
 - Waste control: TD899.C59
- Copper mines and mining
 - Water pollution: TD428.C66
- Copper roofing
 - Building construction: TH2458
- Copper steel
 - Engineering and construction: TA479.C7
- Copper sulfate
 - Algae control: TD465
- Copper trade
 - Air pollution: TD888.C64
- Coppersmithing
 - Manufactures: TS620+
- Copperwork
 - Handicrafts: TT250
- Coprolites
 - Mining engineering: TN948.C73
- Copybooks
 - Stationery: TS1251

INDEX

- Copying
 - Photography: TR470
- Cordage
 - Textile fiber: TS1784+
- Cordials
 - Distilling: TP611
- Cordierite
 - Mining engineering: TN948.C75
- Cordite
 - Explosives: TP290.C8
- Cords
 - Silk manufactures: TS1687
- CorelDRAW
 - Computer-assisted drafting: T386.C67
- Coremaking
 - Metal manufactures: TS243+
- Coriander
 - Cooking: TX819.C65
- Cork
 - Engineering materials: TA455.C6
- Cork craft
 - Woodworking: TT190.5
- Cork industry
 - Manufactures: TS908
- Corkscrews
 - Cooking: TX657.C76
- Corliss steam-engine: TJ485.C5
- Corliss valve gears: TJ551.C8
- Corn
 - Cooking: TX809.M2
 - Food processing and manufacture: TP444.C67
 - Food values: TX558.C57
 - Milling: TS2159.C7
 - Sugars and syrups: TP405
- Corn bread
 - Cooking: TX770.C64
- Corn oil
 - Chemical technology: TP684.C8
- Corn products
 - Food processing and manufacture: TP435.C67
- Corncobs
 - Utilization of waste: TP996.C6
- Corned beef
 - Meat-packing industries: TS1974.C67
- Cornhusk craft
 - Decorative crafts: TT878
- Cornices (Exterior)
 - Building construction: TH2482+
- Cornices (Interior)
 - Building construction: TH2553
- Cornish steam boiler
 - Mechanical engineering: TJ310
- Cornmeal
 - Food values: TX558.C57
- Cornstalks
 - Paper manufacture: TS1109
 - Utilization of waste: TP996.C7
- Cornstarch: TP415+
- Correct dress
 - Men's tailoring: TT618
- Correctional institutions
 - Environmental effects: TD195.P74
 - Fire prevention and extinction: TH9445.C68
- Correspondence, Technical: T11.3
- Corrosion
 - Electronics: TK7870.28
 - Gas industry: TP751.1
 - Iron and steel: TA467
 - Metals: TA462
 - Ocean engineering: TC1670
 - Packaging protection: TS198.8.C6
 - Petroleum refining: TP690.8
 - Properties of materials: TA418.74+
 - Reinforcing bars: TA445.5
 - Sewers: TD691
 - Underwater structures: TC200
- Corrosion-resistant alloys
 - Engineering and construction: TA486
- Corrosion-resistant materials
 - Engineering materials: TA418.75
- Corrosive wastes
 - Waste disposal: TD898.8.C67
- Corrugated paper
 - Decorative crafts: TT870+
- Corrugated paperboard: TS1138
- Corsets
 - Clothing manufacture: TT677
- Corsican cooking: TX719.2.C67
- Corundum
 - Engineering materials: TA455.C65
 - Industrial electrochemistry: TP261.C67
 - Mining engineering: TN936
- Corvette automobile: TL215.C6
- Cosmetic delivery systems: TP983.3
- Cosmetics
 - Organic chemical technology: TP983+
- Cosmetology: TT950+
- Cost control
 - Hazardous substances and their disposal: TD1050.C67
 - Hotels, clubs, restaurants, etc.: TX911.3.C65
 - Production management: TS165+
- Cost effectiveness
 - Building construction: TH438.15
 - Engineering economy: TA177.7
- Cost measurements
 - Masonry construction: TH5330
- Cost of operation
 - Electric railways: TF962
 - Motor vehicles: TL151.5+
- Cost of production
 - Machine shops: TJ1146
- Costs
 - Cement and concrete construction: TA682.26
 - Engineering economy: TA183

INDEX

- Costs
 - Heating of buildings: TH7335+
 - Municipal refuse and solid wastes: TD793.7
 - Packaging: TS196.2
 - Plumbing: TH6234+
 - Railroad engineering: TF193
 - Saline water conversion: TD479.3
 - Sewage collection and disposal systems: TD653
- Costume design: TT507
- Cotton
 - Fire prevention and extinction: TH9446.C7
 - Textile fiber: TS1542
 - Utilization of waste: TP996.C75
- Cotton dyeing: TP930+
- Cotton fabrics
 - Cotton manufactures: TS1582
 - Fire prevention and extinction: TH9446.C7
- Cotton gins: TS1585
 - Air pollution: TD888.C65
 - Fire prevention and extinction: TH9445.C7
- Cotton industry
 - Waste control: TD899.C6
- Cotton machinery
 - Cotton manufactures: TS1583
- Cotton manufactures: TS1550+
- Cotton waste products
 - Cotton manufactures: TS1587
- Cottonseed oil
 - Chemical technology: TP681.A1+
- Cottonseed products
 - Food values: TX560.C7
- Couching
 - Embroidery: TT778.C63
- Coulometers: TK331
- Counted thread embroidery: TT778.C65
- Counterflows
 - Applied fluid mechanics: TA357.5.C68
- Counters
 - Control engineering: TJ223.C6
 - Electronics: TK7872.C7
- Countertops
 - Woodworking: TT197.5.C68
- Country homes
 - Construction: TH4850
- Country roads
 - Highway engineering: TE229+
- Coupled problems
 - Engineering mathematics: TA347.C68
- Couplers
 - Railroad cars: TF410
- Couples
 - Photographic portraits: TR681.C68
- Course computers
 - Aeronautical navigation: TL696.C8
- Course-line computers
 - Aeronautical navigation: TL696.C8
- Couscous
 - Cooking: TX809.C68
- Coverlets
 - Handicrafts: TT835+
- Cowling
 - Airplanes: TL681.C7
- Cowlings
 - Aircraft engines: TL702.C6
- Cowpeas
 - Cooking: TX803.C68
 - Food values: TX558.C6
- Cows
 - Nature photography: TR729.C69
- Crabs
 - Cooking: TX754.C83
- Crackers
 - Cooking: TX770.C72
- Cracking process
 - Petroleum refining: TP690.4
- Crackle
 - Painting: TT378
- Craft materials and supplies
 - Handicrafts: TT153.7
- Cranberries
 - Cooking: TX813.C7
- Cranes
 - Hoisting machinery: TJ1363+
 - Hydraulic engineering: TC370
 - Railway structures: TF290
- Crankpin
 - Steam engines: TJ537
- Cranks
 - Locomotives: TJ669.C7
 - Mechanical engineering: TJ182+
 - Miscellaneous motors and engines: TJ762.C73
 - Steam engines: TJ537
- Crankshafts
 - Aircraft engines: TL702.C7
 - Gasoline automobiles: TL214.C73
 - Locomotives: TJ669.C7
 - Miscellaneous motors and engines: TJ762.C73
- Crappie
 - Cooking: TX748.C73
- Crashworthiness
 - Motor vehicles: TL242
- Crates
 - Packaging: TS198.6.C7
- Crawl spaces
 - Building design and construction: TH3000.C73
- Crayfish
 - Cooking: TX754.C84
- Crayons
 - Manufactures: TS1268
- Cream of tartar
 - Food processing: TP432
- Creameries
 - Heating and ventilation: TH7392.C7

INDEX

- Crease-resisting process
 - Textile industries: TS1513
- Creep behavior
 - Plastic properties and tests: TA418.22
- Creosote
 - Preservation of wood: TA424.6.C7
- Crepe
 - Silk manufactures: TS1677
- Crepes
 - Cooking: TX770.P34
- Cresols
 - Chemical technology: TP248.C67
- Cresylic acid
 - Chemical technology: TP248.C7
- Crewelwork
 - Embroidery: TT778.C7
- Crex products
 - Wood technology: TS915
- Cribs
 - Plant service facilities: TS189.3
 - Wood manufactures: TS886.5.C74
- Cribwork
 - Hydraulic engineering: TC197
- Crimping
 - Textile industries: TS1487.7
- Critical path analysis
 - Management of engineering works: TA194
 - Production control: TS158
- Crocheting
 - Decorative needlework: TT819+
- Crocheting machinery
 - Clothing manufacture: TT685
- Croissants
 - Cooking: TX770.C74
- Crop residues
 - Rural engineering: TD930.3
- Cross-connections
 - Water supply to buildings: TH6523
- Cross-country flying
 - Airplanes: TL711.L7
- Cross-layer designs
 - Computer networks: TK5105.66
- Cross-media pollution
 - Measurement of pollution: TD193.3
- Cross method: TA650+
- Cross-stitch
 - Embroidery: TT778.C76
- Crossarms
 - Electric power: TK3242
- Crossed-field amplifiers: TK7871.58.C75
- Crosshead and connecting rod
 - Steam engines: TJ535
- Crossings
 - Railway construction: TF263
- Crucible process
 - Steel metallurgy: TN735
- Cruciform wings
 - Airplanes: TL673.C7
- Crushed stone industry
 - Dust removal: TH7697.C7
 - Noise control: TD893.6.C78
- Crushing
 - Ore dressing and milling: TN510
- Crushing and milling machinery
 - Mechanical engineering: TJ1345
- Cryoelectronic devices
 - Electronics: TK7872.C77
- Cryogenic engineering: TP480+
- Cryopreservation
 - Biotechnology: TP248.25.C79
- Cryotrons
 - Computer engineering: TK7895.C7
- Cryptographic techniques
 - Coding theory: TK5102.94
- Cryptosporidium
 - Water pollutants: TD427.C78
- Crystal sets
 - Radio receiving apparatus: TK6564.C79
- Crystalline solids
 - Materials of engineering and construction: TA418.9.C7
- Crystallization
 - Chemical engineering: TP156.C7
- Cucumbers
 - Cooking: TX803.C83
 - Food processing and manufacture: TP444.C8
- Cultivators
 - Agricultural machinery: TJ1482
- Cultured pearls
 - Jewelry work: TS755.P4
- Culverts
 - Highway engineering: TE213
 - Railway structures: TF282
- Culverts, Cement: TA447
- Cupcakes
 - Cooking: TX771+
- Cupola furnaces
 - Foundry work: TS231
- Curbs
 - Highway engineering: TE298
- Curbstones
 - Highway engineering: TE298
- Curing
 - Chemical engineering: TP156.C8
 - Tobacco industry: TS2249
- Currant grapes
 - Cooking: TX813.C87
- Current and voltage waveforms
 - Electrical engineering: TK531
- Current converters
 - Electronics: TK7872.C8
- Current meters and measurements
 - Electrical engineering: TK331

INDEX

- Current regulators
 - Electronics: TK7872.C83
- Curry
 - Cooking: TX819.C9
- Curtain making
 - Handicrafts: TT390
- Curtain walls
 - Building design and construction: TH2238
- Curves
 - Railroad surveying: TF216
 - Railway construction: TF264
- Cushioning
 - Packaging: TS198.6.C8
- Cushioning materials
 - Packaging waste
 - Disposal: TD797.92
- Cushions
 - Handicrafts: TT410
- Cushman motor scooters: TL453.C87
- Customer relations
 - Hotels, clubs, restaurants, etc.: TX911.3.C8
- Customizing
 - Motor vehicles: TL255.2
 - Motorcycles: TL442.7
- Cut glass
 - Glassmaking: TP861
- Cutlery
 - Metal manufactures: TS380+
- Cutouts
 - Dynamolectric machinery: TK2846
- Cutting
 - Ceramic technology: TP814
 - Dressmaking: TT520
 - Iron and steel work: TA890+
 - Men's tailoring: TT590
 - Paper manufacture: TS1118.C8
 - Plastics: TP1155
- Cutting machinery
 - Machine shops: TJ1230+
 - Paper manufacture: TS1118.C8
- Cutting tools
 - Machine tools: TJ1186
- Cyanide process
 - Gold and silver metallurgy: TN767
- Cyanides
 - Chemical technology: TP248.C9
 - Environmental pollutants: TD196.C93
 - Sewage treatment: TD758.5.C93
 - Soil pollutants: TD879.C93
 - Water pollutants: TD427.C9
- Cyanines
 - Textile dyes: TP918.C9
- Cyanite
 - Mining engineering: TN948.C95
 - Ore dressing and milling: TN538.C9
- Cyanobacteria
 - Water pollutants: TD427.C92
- Cyanocobalamine
 - Chemical technology: TP248.C93
- Cyanotypes
 - Photographic processes: TR415
- Cyclamates
 - Sweeteners: TP423
- Cyclecars: TL390
- Cycles
 - Vehicles: TL400+
- Cyclists
 - Nutrition: TX361.C94
- Cyclized rubber
 - Manufactures: TS1927.C92
- Cyclodextrins
 - Biotechnology: TP248.65.C92
 - Chemical technology: TP248.C94
- Cyclododecane
 - Environmental pollutants: TD196.C94
- Cyclohexane
 - Environmental pollutants: TD196.C95
- Cycloidal engines: TJ731
- Cyclonite
 - Explosives: TP290.R39
- Cyclotetramethylene-tetranitramine
 - Explosives: TP290.C9
- Cylinder blocks
 - Gasoline automobiles: TL214.C93
 - Miscellaneous motors and engines: TJ762.C94
- Cylinder heads
 - Gasoline automobiles: TL214.C93
- Cylinder systems
 - Cold water supply plumbing: TH6551
- Cylinders
 - Aircraft engines: TL702.C9
 - Diesel engines: TJ798.5
 - Gas engines: TJ774
 - Gasoline automobiles: TL214.C93
 - Internal combustion engines: TJ788
 - Locomotives: TJ659
 - Steam engines: TJ527+
 - Structural engineering: TA660.C9
- Cylinders, Metal
 - Engineering and construction: TA492.C9
- Cylindrical antennas: TK7871.67.C95

D

- Daguerreotype
 - Photography: TR365
- Daily life for men, Economics of: TX147
- Dairy foods
 - Nutrition: TX377+
- Dairy plants
 - Waste control: TD899.D3
- Dairy products
 - Cooking: TX759+

INDEX

- Dairy waste
 - Rural engineering: TD930.4
- Dam failures
 - Hydraulic engineering: TC550.2
- Dam geology
 - Hydraulic engineering: TC542
- Dam safety
 - Hydraulic engineering: TC550
- Dam types: TC543+
- Damage by natural disasters
 - Railway operation: TF539
- Damper regulators
 - Hot water heating: TH7541
 - Hydronic systems: TH7477
 - Steam heating: TH7591
- Damping
 - Aerodynamics: TL574.S7
- Dampness in buildings
 - Protection from: TH9031
- Dams
 - Civil engineering: TA760+
 - Environmental effects: TD195.D35
 - Hydraulic engineering: TC540+
 - Hydrostatics: TC167
- Damsite selection
 - Hydraulic engineering: TC542+
- Dance photography: TR817.5
- Dandelions
 - Cooking: TX803.D34
- Danger areas
 - Airports: TL725.3.A6
- Dangerous structures
 - Building construction: TH153
- Dangers in mines and quarries: TN311+
- Darien Canal: TC788
- Darkroom procedures
 - Photographic processing: TR530+
- Darkroom technique
 - Photography: TR287+
- Darkrooms
 - Photography: TR560
- Darning
 - Textile arts: TT730
- Dasheen
 - Food values: TX558.D3
- Data disk drives
 - Computer engineering: TK7887.8.D37
- Data loggers
 - Computer engineering: TK7895.D28
- Data processing
 - Applied fluid mechanics: TA357.5.D37
 - Biotechnology: TP248.25.A96
 - Building construction estimates: TH437
 - Chemical technology: TP184
 - Civil engineering: TA404.23
 - Hydraulic engineering: TC157.8
 - Industrial engineering: T57.5
- Data processing
 - Mechanical engineering: TJ153
 - Orbital transfer: TL1078
 - Photography in surveying: TA593.5
 - Production management: TS155.6+
 - Space trajectories: TL1078
 - Structural analysis: TA647
 - Transportation engineering: TA1165
- Data processing, Optical: TA1630+
- Data processing service centers
 - Energy conservation: TJ163.5.D38
- Data storage, Optical: TA1635
- Data tape drives
 - Computer engineering: TK7887.55
- Data tapes
 - Computer engineering: TK7895.D3
- Data transmission systems
 - Electrical engineering: TK5105+
- Date
 - Sugars and syrups: TP414
- Date palm fiber
 - Textile fiber: TS1747.D3
- Dates
 - Cooking: TX813.D3
 - Food values: TX558.D35
- Daylight
 - Photography: TR595
- DDN
 - Computer network: TK5105.875.D37
- DDT (Insecticide)
 - Water pollutants: TD427.D34
- De Havilland Aircraft Company: TL686.D4
- De Havilland aircraft engines: TL703.D4
- De Jur motion picture camera: TR883.D4
- Deacidification
 - Paper manufactures: TS1118.D42
- Dead
 - Photographic portraits: TR681.D43
- Dead loads
 - Structural engineering: TA648.2
- Decalage
 - Airplanes: TL673.D4
- Decalcomania industry: TS2301.D4
- Decay
 - Deterioration of wood: TA423.2+
- Decision making
 - Environmental protection: TD171.8
- Decision support systems
 - Industrial engineering: T58.62
- Decision theory
 - Industrial engineering: T57.95
- Deck machinery
 - Electric driving: TK4059.D4
- Decks
 - Building construction: TH4970
- Decoders
 - Electronics: TK7872.D37

INDEX

- Decommissioning of facilities
 - Nuclear engineering: TK9152.2
- Decontamination
 - Electronics: TK7870.27
 - Nuclear engineering: TK9152.2
- Decorated eggs
 - Decorative crafts: TT896.7
- Decorating
 - Motor vehicles: TL255.2
 - Plastics: TP1170
- Decoration
 - Building construction: TH8001+
 - Dining room: TX859
- Decoration, Table
 - Dining-room service: TX879
- Decorative balls
 - Decorative crafts: TT896.8
- Decorative crafts: TT855+
- Decorative finishes
 - Painting: TT323
- Decorative furnishings
 - Building construction: TH8001+
- Decorative needlework
 - Textile arts: TT740+
- Decorative painting on various materials: TT385
- Decorative tile
 - Building construction: TH8541+
- Decorative woodwork
 - Building construction: TH8581+
- Decoys
 - Carving and whittling: TT199.75
- Deep boring
 - Mining: TN281
- Deep geologic disposal
 - Hazardous substances: TD1064
- Deep Space Network: TL3026
- Deep-well injection
 - Disposal of sewage effluent: TD761
- Defense measures
 - Airports: TL725.3.D35
- Deflection systems
 - Television: TK6655.D43
- Deflections
 - Structural analysis: TA648.5
- Deformation of materials under stress: TA417.6
- Dehydration
 - Ceramic technology: TP815
 - Food preservation: TP371.5+
- Dehydrogenation
 - Chemical engineering: TP156.D4
- Delay lines
 - Electronics: TK7872.D4
- Delta wings
 - Airplanes: TL673.T7
- Demand controlled ventilation systems
 - Building construction: TH7682.D45
- Demulsification
 - Chemical engineering: TP156.D42
- Denatured alcohol
 - Distilling: TP593
- Dendrimers
 - Plastics: TP1180.D45
- Dense nonaqueous phase liquids
 - Hazardous substances and their disposal: TD1066.D45
- Dense phase carbon dioxide pasteurization
 - Food preservation: TP371.46
- Denseness and porosity
 - Engineering materials: TA418.82
- Densimeters
 - Chemical technology: TP159.D4
- Density altitude
 - Aeronautical meteorology: TL557.D4
- Density altitude computers
 - Aeronautical meteorology: TL557.D4
- Dental clinics
 - Waste control: TD899.D46
- Dental offices
 - Waste control: TD899.D46
- Dentifrices
 - Organic chemical industries: TP955
- Deodorants: TP985
- Deodorization
 - Sewage treatment: TD747+
 - Ventilation of buildings: TH7699.D4
- Depreciation
 - Engineering economy: TA178
- Derrick cars
 - Railway equipment: TF490
- Derricks
 - Hoisting machinery: TJ1363+
- Desalination plants: TD479.4+
- Desalting, Ion exchange
 - Saline water conversion: TD480.7
- Design
 - Airplanes: TL671.2
 - Airships: TL660
 - Balloons: TL622
 - Dressmaking: TT520
 - Locomotives: TJ635
 - Machine tools: TJ1180+
 - Men's tailoring: TT590
 - Packaging: TS195.4
 - Petroleum pipelines: TN879.53
 - Radioactive waste sites: TD898.155.D47
 - Sewerage systems: TD658
 - Sewers: TD678+
- DesignCAD
 - Computer-aided engineering: TA345.5.D47
- Designs
 - Highway engineering: TE175
 - Patents: T324
- Desks
 - Woodworking: TT197.5.D4

INDEX

- Desserts
 - Cooking: TX773
- Desulphuration
 - Chemical engineering: TP156.D43
- Detailing
 - Motor vehicle operation: TL152.15
 - Reinforced concrete construction: TA683.28
- Details
 - Dynamolectric machinery: TK2541
 - Locomotives: TJ640+
 - Telegraph: TK5455
- Details and parts
 - Aircraft engines: TL701.9+
- Detection equipment
 - Security in buildings: TH9739
- Detection of adulterants
 - Food: TX563
- Detectors
 - Electronics: TK7872.D48
 - Infrared technology: TA1573
 - Radio: TK6565.D4
- Detectors, Metal
 - Electronics: TK7882.M4
- Detectors, Motion
 - Electronics: TK7882.M68
- Detergents
 - Environmental pollutants: TD196.D48
 - Water pollutants: TD427.D4
- Deterioration
 - Properties of materials: TA418.74+
 - Underwater structures: TC200
- Deterioration of wood: TA422+
- Determinants
 - Engineering mathematics: TA347.D4
- Development
 - Photographic negatives: TR295
 - Technology: T175+
- Dew
 - Water supply: TD415
- Dewatering
 - Ore dressing and milling: TN535
 - Sewage treatment: TD769.7
- Dextrin
 - Starch: TP416.D4
- Dextrose
 - Sugars and syrups: TP414
- Diagrams of connections
 - Telegraph: TK5445
- Dial telegraphs: TK5515
- Diallyl phthalate
 - Plastics: TP1180.D5
- Dialysis
 - Chemical engineering: TP156.D45
- Diamond cutting
 - Jewelry manufacture: TS753.5
- Diamond mines and mining
 - Environmental effects: TD195.D5
- Diamonds
 - Artificial gems: TP873.5.D5
 - Electronics: TK7871.15.D53
 - Jewelry manufacture: TS753+
 - Machine tools: TJ1193
 - Mineral industries: TN990+
 - Prospecting: TN271.D5
- Diaper industry
 - Environmental effects: TD195.D53
- Diaphragms
 - Machinery: TJ247
 - Structural engineering: TA660.D52
- Diapositives
 - Photography: TR504+
- Diaspore
 - Mining engineering: TN948.D49
- Diatomaceous earth
 - Mining engineering: TN948.D5
- Diatomaceous earth filtration
 - Water purification: TD446
- Dibromochloropropane
 - Water pollutants: TD427.D52
- Dibutyltin
 - Water pollutants: TD427.D47
- Dictographs: TK6500
- Die work
 - Metal manufactures: TS253
- Diecasting
 - Foundry work: TS239
- Dielectric amplifiers: TK7871.22
- Dielectric devices
 - Electronics: TK7872.D53
- Dielectric separation
 - Ore dressing and milling: TN531
- Diemaking
 - Metal manufactures: TS253
- Diesel automobiles: TL229.D5
- Diesel engine electric plants: TK1075
- Diesel engines: TJ795+
 - Aircraft engines: TL704.2
- Diesel exhaust
 - Air pollutants: TD886.8
- Diesel locomotives: TJ619+
- Diesel motorcars
 - Railway equipment: TF498
- Diet
 - Nutrition: TX360+
- Dietary studies
 - Examination and analysis of food: TX551+
- Dietetic food: TP451.D53
- Dietitians: TX357
- Differential amplifiers: TK7871.58.D46
- Differential equations
 - Engineering mathematics: TA347.D45
- Diffraction, Geometrical
 - Seismic prospecting: TN269.83

INDEX

- Diffusers
 - Jet engines: TL709.5.D5
 - Turbines: TJ267.5.D4
- Diffusion
 - Chemical engineering: TP156.D47
 - Petroleum engineering: TN871
- Digestion tanks
 - Sewage sludge treatment: TD769+
- Digital audio broadcasting
 - Radio: TK6562.D54
- Digital audiotape recorders and recording
 - Electronics: TK7881.65
- Digital cameras
 - Individual makes: TR263.A+
 - Photography: TR256
- Digital cinematography: TR860
- Digital communications
 - Electrical engineering: TK5103.7+
- Digital computers: TK7888.3+
- Digital control
 - Control engineering: TJ223.M53
- Digital electronic circuits: TK7868.D5
- Digital integrated circuits
 - Electronics: TK7874.65
- Digital photography: TR267+
- Digital plotters
 - Computer engineering: TK7887.8.D5
- Digital subscriber lines
 - Telecommunication: TK5103.78
- Digital television: TK6678
- Digital-to-analog converters
 - Computer engineering: TK7887.6
- Digital video: TK6680.5+
- Digital video recorders
 - Television: TK6655.D54
- Digital watermarking
 - Optical data processing: TA1636
- Dihedral angle
 - Airplanes: TL673.D5
- Dikes
 - Coast protective works: TC337
- Dilution, Disposal by
 - Sewage effluent: TD763+
- Dimension-ordered routing
 - Computer networks: TK5105.54873.D56
- Dimensional analysis
 - Engineering mathematics: TA347.D5
- Dimensionless numbers
 - Engineering mathematics: TA347.D52
- Dining
 - Nutrition: TX631+
- Dining car service
 - Railway operation: TF668.A1+
- Dining cars
 - Railway equipment: TF461
- Dining room: TX855+
- Dining room furniture
 - Woodworking: TT197.5.D5
- Dining room service
 - Etiquette: TX851+
 - Hotels, clubs, restaurants, etc.: TX925
- Dinner-giving
 - Cooking: TX731
- Dinners
 - Cooking: TX737
- Diodes
 - Semiconductor: TK7871.86+
- Diolefins
 - Chemical technology: TP248.D5
- Dioscures project
 - Artificial satellites: TK5104.2.D5
- Dioxane
 - Water pollutants: TD427.D547
- Dioxins
 - Air pollutants: TD887.D56
 - Environmental pollutants: TD196.D56
 - Water pollutants: TD427.D55
- Dipatching
 - Airplanes: TL711.D4
- Dipole antennas: TK7871.67.D56
- Direct broadcast satellite television: TK6677
- Direct coils
 - Hydronic systems: TH7481+
- Direct current
 - Dynamolectric machinery: TK2822
 - Electrical engineering: TK454.15.D57
- Direct current amplifiers: TK7871.58.D5
- Direct-current engineering: TK1111+
- Direct-current generators
 - Dynamolectric machinery: TK2661+
 - Types: TK2665
- Direct-current machinery
 - Dynamolectric machinery: TK2611+
 - Types: TK2631
- Direct-current motors
 - Dynamolectric machinery: TK2681
- Direct-current systems
 - Electric lighting: TK4303
 - Electrical engineering: TK3111
- Direct-current transforming machinery
 - Dynamolectric machinery: TK2691+
- Direct energy conversion devices: TK2896+
- Direct filtration
 - Mechanical treatment of water purification: TD442
- Direct-indirect radiators
 - Hydronic systems: TH7490
- Direct methanol fuel cells
 - Electrical engineering: TK2933.D57
- Direct positives
 - Photographic processes: TR360+
- Direct processes
 - Steel metallurgy: TN733
 - Wrought iron: TN723

INDEX

- Direct radiators
 - Hydronic systems: TH7481+
- Direct reproductions on same scale
 - Industrial photography: TR915+
- Direction finders
 - Aeronautical navigation: TL696.D5
 - Radio: TK6565.D5
- Directional drilling: TN871.23
- Directories, Industrial: T11.95+
- Directory services
 - Computer networks: TK5105.595
- Dirigibles: TL651
- Dirt bikes: TL441
- Dirt roads: TE230
- Disasters
 - Chemical technology: TP150.A23
- Disasters and engineering: TA495
- Disc brakes
 - Motor vehicles: TL269.36
- Discharge into streams, etc.
 - Sewage disposal: TD771.5
 - Sewage effluent: TD763+
- Discount stores
 - Consumer education: TX335+
- Dishwashing machines
 - Cooking: TX657.D6
- Disinfection
 - Sewage treatment: TD747+
 - Water purification: TD459+
- Disks
 - Turbines: TJ267.5.D5
- Dispatching of airplanes
 - Airports: TL725.3.D4
- Displacement ventilation
 - Building construction: TH7682.D57
- Display systems
 - Aeronautical instruments: TL589.3+
 - Motor vehicles: TL272.55
- Display systems, Three-dimensional: TK7882.T47
- Display techniques
 - Exhibitions: T396+
- Disposal
 - Sewage effluent: TD759+
- Disposal in the ground
 - Radioactive waste: TD898.2
- Disposal in the water
 - Radioactive waste: TD898.4
- Disposal of municipal refuse
 - Environmental technology: TD785+
- Disposal under the seabed
 - Radioactive waste: TD898.6
- Dissimilar welding: TS228.3
- Dissolved minerals, Removal of
 - Water purification: TD466
- Distaff
 - Spinning
 - Textile industries: TS1484
- Distance indicator
 - Aeronautical navigation: TL696.D6
- Distance measurement
 - Surveying: TA601
- Distance measuring equipment
 - Aircraft to ground station: TL696.D65
- Distillation
 - Chemical engineering: TP156.D5
- Distillation apparatus
 - Chemical technology: TP159.D5
- Distillation methods
 - Saline water conversion: TD480
- Distilled liquors: TP597+
- Distilleries
 - Building construction: TH4532
 - Fire prevention and extinction: TH9445.D5
 - Waste control: TD899.D5
- Distilling
 - Fermentation industries: TP589+
- Distributed amplifiers: TK7871.58.D54
- Distributed generation
 - Production of electric energy: TK1006
- Distributed point source method
 - Engineering mathematics: TA347.D57
- Distributed propulsion
 - Aircraft engines: TL701.3
- Distribution
 - Electric lighting: TK4251+
 - Gas industry: TP757
 - Telegraph: TK5401+
 - Telephone: TK6301+
- Distribution and transmission
 - Pneumatic machinery: TJ1000
- Distribution of electric power
 - Electrical engineering: TK3001+
- Ditches
 - Railway operation: TF548
- Ditching
 - Airplanes: TL711.D5
- Django
 - Web authoring software: TK5105.8885.D54
- Docks
 - Harbor engineering: TC355
- Documentary cinematography
 - Photography: TR895.4
- Documentary photography: TR820.5
- Dog food: TS2288.D63
- Dog owners
 - Photographic portraits: TR681.D63
- Dogfish
 - Cooking: TX748.D64
- Dogs
 - Nature photography: TR729.D6
- Doilies
 - Embroidery: TT775
- Doll clothes: TT175.7
- Doll furniture: TT175.5

INDEX

- Dollhouses: TT175.3
- Dolls
 - Handicrafts: TT175+
- Domain names
 - Internet: TK5105.8835
- Dome boilers
 - Hot water heating: TH7518+
- Dome cars
 - Railway equipment: TF456
- Domes
 - Building design and construction: TH2170+
 - Structural engineering: TA660.D6
- Domestic filters
 - Water purification: TD449
- Domestic heating
 - Buildings: TH7201+
- Domestic laundry work: TT985
- Domestic machines
 - Knitting: TT687
- Domestic refrigeration: TP492.6
- Domestic water supply: TD201+
- Door fittings
 - Building design and construction: TH2270+
- Door harps
 - Decorative crafts: TT899.73
- Door knobs
 - Building construction: TH2279
- Door openings
 - Fittings: TH2261+
- Door regulators
 - Hot water heating: TH7541
 - Hydronic systems: TH7477
 - Steam heating: TH7591
- Doorbells
 - Manufactures: TS589
- Doormen
 - Hotels, clubs, restaurants, etc.: TX926
- Doors
 - Building design: TH2278+
- Dopes
 - Aeronautics: TL699.D6
- Doppler radar: TK6592.D6
- Dormitories
 - Fire prevention and extinction: TH9445.D6
- DotNetNuke
 - Web authoring software: TK5105.8885.D68
- Double jacket stoves
 - Building construction: TH7436.D6
- Double wall piping
 - Mechanical engineering: TJ934
- Dough
 - Food values: TX560.D68
- Doughnuts
 - Cooking: TX770.D67
- Douglas Aircraft Company: TL686.D65
- Down spouts
 - Building construction: TH2493
- Downwash
 - Aerodynamics: TL574.D6
- Draft
 - Furnaces: TJ333
- Draft appliances
 - Locomotives: TJ650
- Draft gear
 - Railroad cars: TF413
- Draft hoods
 - Gas stove heating: TH7457.D7
- Draft registers
 - Warm-air heating: TH7627
- Drafting
 - Airplanes: TL671.25
 - Dressmaking: TT520
 - Men's tailoring: TT590
- Drafting room practice
 - Mechanical engineering: TJ227
- Drag
 - Aerodynamics: TL574.D7
- Drag bikes: TL442.5
- Drag rope
 - Balloons: TL625.D7
- Dragsters: TL236.2+
- Drain piping
 - Plumbing: TH6628
- Drain supports
 - Plumbing: TH6644
- Drain tiles
 - Architectural ceramics: TP839
 - Engineering materials: TA447
- Drainage
 - Airports: TL725.3.D7
 - Highway engineering: TE215
 - Houses: TH6571+
 - Hydraulic engineering: TC970+
 - Railway construction: TF245
- Drainage system
 - Houses: TH6591
 - Plumbing: TH6641+
- Draining sewage
 - Plumbing: TH6651+
- Draining wastes
 - House drainage: TH6655+
- Dramatists
 - Photographic portraits: TR681.D74
- Drapes
 - Handicrafts: TT390
- Drawbridges: TG420
- Drawing, Fashion: TT509
- Drawing instruments: T375+
- Drawing materials: T375+
- Drawing-room management and practice
 - Mechanical drawing: T352
- Drawing, Structural
 - Mechanical drawing: T355

INDEX

Drawings

- Building construction: TH431
- Carpentry and joinery: TH5611
- Electrical engineering: TK431
- Engineering: TA175
- Furniture design: TT196
- Heating of buildings: TH7331
- Highway engineering: TE175
- Hot water heating: TH7513
- Plastering: TH8132
- Plumbing: TH6231
- Reinforced concrete construction: TA683.28
- Steam heating: TH7563
- Warm-air heating: TH7602

Drawnwork

- Decorative needlework: TT785+

Dreamweaver

- Web authoring software: TK5105.8885.D74

Dredges

- Electric driving: TK4059.D73
- Hydraulic engineering: TC188

Dredging

- Environmental effects: TD195.D72
- Hydraulic engineering: TC187+
- Water pollution: TD428.D74

Dredging spoils

- Water pollution: TD428.D74

Dress accessories

- Clothing manufacture: TT649.8+

Dress forms

- Dressmaking: TT523

Dress reform

- Women's tailoring: TT565

Dressmaking: TT500+

Dried foods

- Cooking: TX826.5

Driers

- Paints: TP937.7

Drift indicator

- Aeronautical instrument: TL589.2.D7

Drifting

- Mining: TN285

Drill cores

- Rock mechanics: TA706.3

Drilling: TJ280.75.G46

- Mining: TN279

Drilling machinery

- Machine shops: TJ1260+

Drilling platforms

- Fire prevention and extinction: TH9445.D75

Drills

- Fire extinction: TH9402+
- Machine shops: TJ1263+

Drinking fountains

- Water supply: TH6569.D7

Drinking water

- Railroad cars: TF451

Driver assistance systems

- Motor vehicles: TL272.57

Driver education

- Motor vehicle operation: TL152.6+

Driver training

- Buses: TL232.3
- Trucks: TL230.3

Drivers

- Buses: TL232.3
- Motor vehicles: TL152.3+
- Trucks: TL230.3

Drivers' tests

- Motor vehicle operation: TL152.4

Driveways

- Engineering: TE279.3

Driving

- All terrain vehicle: TL235.7
- Buses: TL232.3
- Motor vehicle operation: TL152.5+
- Off-road vehicle: TL235.7
- Tractors: TL233.3
- Trucks: TL230.3

Driving gear

- Cycles: TL420

Driving simulators

- Driver education: TL152.7.D7

Drone aircraft: TL685.35

Drone aircraft control systems: TL589.4+

Drone aircraft guidance and control systems: TL589.4+

Drop-forging

- Metal manufactures: TS225+

Drop system

- Steam heating: TH7567

Dropping of cargo

- Airplanes: TL711.D7

Drug factories

- Environmental effects: TD195.D78

Drugs

- Environmental pollutants: TD196.D78
- Water pollutants: TD427.D77

Drum brakes

- Motor vehicles: TL269.37

Drums

- Packaging: TS198.6.D7

Drupal

- Web authoring software: TK5105.8885.D78

Dry-air blast

- Blast furnaces: TN715

Dry cleaning

- Commercial garment cleaning: TP932.3

Dry cleaning industry

- Water pollution: TD428.D78

Dry docks

- Harbor engineering: TC361

Dry goods

- Textile industries: TS1760+

INDEX

- Dry ice
 - Refrigerants: TP492.82.D78
 - Dry rot
 - Deterioration of wood: TA423.3
 - Drydocks
 - Harbor engineering: TC361
 - Drying
 - Chemical technology: TP363
 - Food preservation: TP371.5+
 - Lumber: TS837
 - Paper manufacture: TS1118.D7
 - Preservation of foods: TX609
 - Sewage treatment: TD769.7
 - Textile industries: TS1514
 - Drying agents
 - Chemical technology: TP159.D7
 - Drying equipment
 - Textile industries: TS1514
 - Drying machinery
 - Paper manufacture: TS1118.D7
 - Drywall
 - Decorative furnishings: TH8139
 - Dubbing
 - Motion picture film: TR886.7
 - Ducati motorcycle: TL448.D8
 - Duck
 - Cooking: TX750.5.D82
 - Duct inlets
 - Airplanes: TL673.D8
 - Ductile states
 - Plastic properties and tests: TA418.16+
 - Dumbwaiters
 - Hoisting machinery: TJ1382
 - Dumortierite
 - Mining engineering: TN948.D8
 - Dumping devices
 - Conveying machinery: TJ1418
 - Dune buggies: TL236.7
 - Dunes
 - Coast protective works: TC339
 - Duplex telegraph system: TK5531
 - Duralumin
 - Aeronautics: TL699.D9
 - Engineering materials: TA480.A6
 - Dust
 - Air pollutants: TD884.5
 - Fire prevention and extinction: TH9446.D86
 - Dust control
 - Highway maintenance: TE220.63
 - Dust preventives for unpaved roads: TE221
 - Dust removal
 - Ventilation of buildings: TH7692+
 - Dutch oven cooking: TX840.D88
 - DVB-H
 - Mobile television
 - Standards: TK6678.5.D84
 - DVD players
 - Electronics: TK7882.D93
 - DVDs
 - Electronics: TK7882.D93
 - Dwellings
 - Air conditioning: TH7688.H6
 - Artificial lighting: TH7975.D8
 - Building construction: TH4805+
 - Energy conservation: TJ163.5.D86
 - Fire prevention and extinction: TH9445.D9
 - Noise control: TD893.6.D94
 - Sanitary engineering: TH6057.A6
 - Security in buildings: TH9745.D85
 - Ventilation: TH7684.D9
 - Dye lasers
 - Applied optics: TA1690
 - Dyeing
 - Textiles: TP897+
 - Dyeing industry, Waste from
 - Environmental technology: TD899.C58
 - Dyeing of garments
 - Textile decoration: TT853+
 - Dyeing plants
 - Fire prevention and extinction: TH9445.C6
 - Dyes
 - Hairdressing: TT969
 - Textile decoration: TT854+
 - Textile dyeing: TP909.2+
 - Dyes and dyeing
 - Leather industries: TS986
 - Paper manufacture: TS1118.D9
 - Dynamic control
 - Structural engineering: TA654.9
 - Dynamic loading conditions
 - Structural analysis: TA654+
 - Dynamic loads
 - Structural design: TA658.4+
 - Dynamic programming
 - Industrial engineering: T57.83
 - Dynamic properties
 - Time-dependent properties and tests: TA418.32+
 - Dynamics
 - Mechanical engineering: TJ170+
 - Motor vehicles: TL243+
 - Dynamite
 - Explosives: TP285
 - Dynamolectric machinery and auxiliaries: TK2000+
 - Dynamometers: TJ1053
 - Dynamos: TK2411+
 - Dynamotors
 - Dynamolectric machinery: TK2693
- E
- Earth
 - Housing material: TH4818.A3
 - Sidewalks: TE283

INDEX

- Earth casting
 - Handicrafts: TT295
- Earth closets
 - Sewage disposal: TD776
- Earth flooring: TH2529.E27
- Earth inductor compass: TL589.2.E2
- Earth movements and building
 - Building construction: TH1094+
- Earth pressure
 - Embankments: TA765
- Earth roads: TE230
- Earth sheltered houses
 - Construction: TH4819.E27
- Earth-wall building construction: TH1421
- Earthen dams: TC543
- Earthenware
 - Ceramic technology: TP820
 - Fire-resistive building construction: TH1077+
- Earthenware stoves
 - Convective heating: TH7436.E4
- Earthmoving machinery: TA725
- Earthquake effects
 - Bridges: TG302
 - Electric power distribution system: TK3084
- Earthquake engineering: TA654.6
 - Nuclear engineering: TK9152.163
- Earthquake forces
 - Structural engineering: TA654.6
- Earthquake resistant design
 - Structural engineering: TA658.44
- Earthquakes and building
 - Building construction: TH1095
- Earthquakes and dams
 - Hydraulic engineering: TC542.5
- Earthquakes and hydraulic structures: TC181
- Earthwork
 - Building construction: TH5101
 - Engineering: TA715+
 - Railroad construction: TF220+
- Earthworms
 - Cooking: TX746.2
- Easement of light
 - Natural lighting: TH7792
- Easter
 - Cooking: TX739.2.E37
- Easter decorations
 - Decorative crafts: TT900.E2
- Eave troughs
 - Building construction: TH2493
- Eavesdropping
 - Electronics: TK7882.E2
- Eccentric and eccentric-rod
 - Steam engines: TJ543
- Eccentric lathework: TT203
- Ecclesiastical vestments
 - Clothing manufacture: TT647
- Echo suppression
 - Coding theory: TK5102.98
- Ecological houses
 - Construction: TH4860
- Econet: TK5105.8.E25
- Economic aspects
 - Acid precipitation: TD195.56.E35
 - Radioactive waste disposal: TD898.14.E36
- Economic development
 - Environmental effects: TD195.E25
- Economic geology: TN260
- Economic lot size
 - Inventory control: TS162
- Economic mineralogy: TN260
- Economic order quantity
 - Inventory control: TS162
- Economics of daily life for men: TX147
- Economy
 - Food shopping: TX356
- ECS satellites: TK5104.2.E29
- Eddy current testing
 - Testing of materials: TA417.36
- Eddy currents in electrical engineering: TK2271
- Edible coatings
 - Food processing: TP451.E3
- Edible oils and fats
 - Condiments: TX407.O34
- Edison three-wire system
 - Electrical engineering: TK1121
- Editing, Technical: T11.4
- Education, Consumer
 - Household administration: TX335+
- Education, Technical
 - Industrial engineering: T61+
- Educational buildings
 - Building construction: TH4621+
- Educational cinematography
 - Photography: TR892.7
- Eels
 - Cooking: TX748.E32
- Effect of radiation on electronics: TK7870.285
- Efficiency
 - Industrial engineering: T58.8
- Eggbeaters
 - Cooking: TX657.E35
- Eggplant
 - Cooking: TX803.E4
- Eggs
 - Biotechnology: TP248.65.E35
 - Cooking: TX745
 - Food values: TX556.E4
 - Nutrition: TX383
 - Preservation and storage: TX612.E4
- Eggshell craft: TT896.7
- Elastic analysis
 - Structural analysis: TA653
- Elastic properties and tests: TA418+

INDEX

- Elastohydrodynamic lubrication: TJ1077.5 E43
- Elastomers
 - Engineering materials: TA455.E4
 - Manufactures: TS1925
- Electric airplanes: TL683.3
- Electric alarms: TK7201+
- Electric analysis
 - Testing of materials: TA417.35
- Electric annunciators: TK7201+
- Electric apparatus and materials: TK452+
- Electric batteries
 - Amateurs' manuals: TK9917
- Electric bells and buzzers: TK7108+
- Electric brakes: TK4081
- Electric calculating machines: TK4090+
- Electric cells
 - Telegraph: TK5378
- Electric circuits
 - Electric engineering: TK454+
- Electric clocks
 - Manufactures: TS544
- Electric cooking: TX827
- Electric cutting
 - Electric heating: TK4660.5
- Electric discharge lighting: TK4371+
- Electric driving: TK4058+
- Electric elevators: TJ1374
- Electric energy storage
 - Electrical engineering: TK2980+
- Electric equipment
 - Aircraft: TL690+
 - Airports: TL725.3.E43
 - Diesel locomotives: TJ619.7
 - Fire prevention and extinction: TH9445.E43
 - Locomotives: TJ669.E4
 - Motor vehicles: TL272
 - Railways: TF368
 - Space vehicles: TL1100+
- Electric eye cameras
 - Photography: TR260.5
- Electric fields
 - Food preservation: TP371.7
- Electric furnace processes
 - Steel metallurgy: TN745
- Electric furnaces
 - Electric heating: TK4661
 - Electrometallurgy: TN687
- Electric generators
 - Amateurs' manuals: TK9911
- Electric heating
 - Electrical engineering: TK4601+
 - Heating of buildings: TH7409+
- Electric household appliances
 - Installation: TK7018+
- Electric ignitors
 - Building gas supply: TH6885+
- Electric insulators
 - Fire testing: TH9446.5.E43
- Electric lamps: TK4310
- Electric light
 - Photographic processing: TR333
- Electric lighting
 - Electrical engineering: TK4125+
 - Mines: TN309
 - Railroad cars: TF449
 - Theory: TK4175
- Electric lighting and lamps
 - Amateurs' manuals: TK9921
- Electric lighting enterprises, Management of: TK4186
- Electric lighting fixtures
 - Artificial lighting: TH7960+
- Electric lighting plants
 - Management: TK4238
- Electric lines
 - Environmental effects: TD195.E37
 - Noise control: TD893.6.E4
- Electric locomotives: TF975
- Electric logging: TN269.5+
- Electric measurements: TK275+
- Electric meters: TK301+
- Electric mine locomotives: TN337
- Electric motorcycles: TL448.E44
- Electric motors
 - Amateurs' manuals: TK9911
- Electric networks: TK454.2
- Electric power
 - Distribution and transmission: TK3001+
- Electric power, Applications of: TK4001+
- Electric-power circuits: TK3226
- Electric-power networks: TK3226
- Electric power plants
 - Air pollution: TD888.E43
 - Dust removal: TH7697.E45
 - Electrical engineering: TK1191+
 - Environmental effects: TD195.E4
 - Fire prevention and extinction: TH9445.E4
- Electric power rates: TK1841
- Electric power system stability: TK1010
- Electric power systems control: TK1007
- Electric processes
 - Gold and silver metallurgy: TN768
 - Metallurgy: TN706
- Electric propulsion systems: TL783.54+
- Electric pumping machinery: TJ910
- Electric radiant heating
 - Local heating: TH7434.5+
- Electric railways: TF854.2+
- Electric refrigerators: TP497.A1+
- Electric rockets: TL783.54+
- Electric spark machining
 - Machine tools: TJ1191
- Electric standards: TK275+

INDEX

- Electric stoves
 - Cooking: TX657.S5
- Electric systems
 - Aircraft: TL690+
- Electric telfer systems
 - Conveying machinery: TJ1387
- Electric thermostat fire detectors
 - Fire prevention and extinction: TH9275
- Electric toasters
 - Cooking: TX657.T58
- Electric vehicles: TL220+
- Electric water heaters
 - Plumbing: TH6561.5
- Electric welding
 - Electrical engineering: TK4660
- Electric wiring
 - Telecommunication: TK5103.12
- Electrical engineering: TK1+
 - Insurance requirements: TK260
 - Systems: TK3101+
- Electrical engineering and equipment
 - Mines: TN343
- Electrical engineering as a profession: TK159
- Electrical manufacturing and engineering companies,
 - General: TK451.A2+
- Electrical motive power
 - Canals: TC769
- Electrically heated steam boilers: TJ318
- Electricians' manuals: TK4164
- Electricity for amateurs: TK9900+
- Electricity in ocean engineering: TC1657
- Electrification of steam railroads: TF858+
- Electro-diesel locomotives: TF980
- Electroacoustic transducers: TK5981+
- Electroacoustics: TK5981+
- Electrochemical remediation
 - Soil remediation: TD878.47
- Electrochemical sensors
 - Chemical technology: TP159.E37
- Electrochemical telegraph system: TK5549
- Electrochemistry, Industrial
 - Environmental effects: TD195.E43
- Electrocoating
 - Painting: TT317
- Electrodes
 - Chemical technology: TP159.E39
 - Manufacture: TK7725
 - Special apparatus
 - Production of electricity directly from chemical action: TK2945.E44
- Electrodialysis
 - Saline water conversion: TD480.5
- Electrohydrodynamic generators
 - Electrical engineering: TK2975
- Electroless plating
 - Metal finishing: TS662
- Electroluminescent devices: TK7871.68+
- Electroluminescent display systems: TK7882.I6
- Electrolysis of water: TP259
- Electrolytic cells
 - Chemical technology: TP159.E4
- Electrolytic polishing
 - Metal finishing: TS654.5
- Electrolytic treatment
 - Sewage disposal: TD757
- Electromagnetic compatibility: TK7867.2
- Electromagnetic interference: TK7867.2
 - Aeronautics: TL690.5
- Electromagnetic testing
 - Testing of materials: TA417.36
- Electromagnets
 - Control engineering: TJ223.E4
 - Electrical engineering: TK454.4.E5
- Electromechanical transducers: TK153
- Electrometallurgy: TN681+
 - Metal finishing: TS670+
- Electron gun
 - Electronics: TK7872.E45
- Electron tubes
 - Electronics: TK7871.7+
 - Radio: TK6565.V3
- Electronic alarm systems
 - Industrial safety: T55.3.E44
- Electronic apparatus
 - Waste disposal: TD799.85
- Electronic appliances
 - Waste disposal: TD799.85
- Electronic cameras
 - Cinematography: TR882+
- Electronic circuits: TK7867+
- Electronic components and apparatus, Manufacture of:
 - TK7836
- Electronic computer methods
 - Structural engineering: TA641
- Electronic control: TK7881.2
- Electronic data processing
 - Aeronautics: TL563
 - Engineering mathematics: TA345+
 - Hotels, clubs, restaurants, etc.: TX911.3.E4
- Electronic data processing departments
 - Fire prevention and extinction: TH9445.E45
- Electronic equipment
 - Aircraft communication: TL693+
 - Fire prevention and extinction: TH9445.E46
 - Motor vehicles: TL272.5+
 - Space vehicles: TL3000+
- Electronic flash
 - Photography: TR606
- Electronic games and toys
 - Amateurs' manuals: TK9971
- Electronic instruments: TK7878.4+
- Electronic locking devices
 - Security in buildings: TH9735

INDEX

- Electronic mail systems
 - Local area networks: TK5105.73+
- Electronic measurements: TK7878+
- Electronic methods
 - Aircraft communication: TL693+
- Electronic packaging: TK7870.15+
- Electronic paper: TK7882.E44
- Electronic plants and equipment: TK7836
- Electronic security systems
 - Security in buildings: TH9737
- Electronic surveillance: TK7882.E2
- Electronic troubleshooting: TK7870.2
- Electronic villages
 - Electrical engineering: TK5105.83
- Electronics: TK7800+
 - Amateurs' manuals: TK9965+
 - Rockets: TL784.E4
- Electronics, Applications of: TK7880+
- Electronics as a profession: TK7845
- Electronics, Effect of radiation on: TK7870.285
- Electronics in transportation: TA1235
- Electronics plants
 - Building construction: TH4533
- Electronics, Printed: TK7872.P75
- Electrooptical devices: TA1750+
- Electrooptics, Applied: TA1750+
- Electrophoretic deposition
 - Painting: TT317
- Electrophotography
 - Photomechanical processes: TR1035+
- Electroplated ware: TS675
- Electroplating
 - Environmental effects: TD195.E45
 - Metal finishing: TS670+
- Electroslag process
 - Electrometallurgy: TN686.5.E4
- Electrostatic charging
 - Space environment: TL1492
- Electrostatic flocking
 - Textile industries: TS1512.5
- Electrostatic precipitation
 - Dust removal: TH7695.E4
- Electrostatic printing
 - Photomechanical processes: TR1042+
- Electrostatic separation
 - Chemical engineering: TP156.E5
- Elementary school buildings
 - Environmental effects: TD195.S33
- Elementary school courses
 - Driver education: TL152.65
- Elementary school students
 - Nutrition: TX361.E43
- Elephants
 - Nature photography: TR729.E45
- Elevated railways: TF840+
- Elevator operators
 - Hotels, clubs, restaurants, etc.: TX926
- Elevator service
 - Apartment houses: TX959
 - Buildings: TJ1380
- Elevators
 - Airplanes: TL677.E6
 - Fire prevention and extinction: TH9445.E48
 - Hoisting machinery: TJ1370+
 - Mine transportation: TN339+
- Embankments
 - Civil engineering: TA760+
 - Coast protective works: TC337
- Embassy buildings
 - Building construction: TH4758
- Embedded computer systems
 - Computer engineering: TK7895.E42
- Embedded Internet devices
 - Computer engineering: TK7895.E43
- Emblems
 - Metal manufactures: TS761
- Embroidery
 - Decorative needlework: TT769+
- Embroidery, Machine: TT772
- Embroidery (Machine made)
 - Textile industries: TS1783
- Embroidery silk: TT777
- Emeralds
 - Jewelry work: TS755.E5
 - Mineral industries: TN997.E5
- Emergency lighting
 - Electric lighting: TK4399.E5
- Emergency maneuvers
 - Airplanes: TL711.E57
- Emergency planning
 - Nuclear engineering: TK9152.13
- Emergency power supply: TK1020
- Emergency ventilation
 - Building construction: TH7682.E44
- Emery
 - Mining engineering: TN936
- Emery wheels
 - Abrading machinery: TJ1290
- Emissions from motor vehicles
 - Air pollutants: TD886.5
- Employee facilities and buildings
 - Plant engineering: TS188
- Employee training in factories
 - Aeronautics: TL560.25.A1+
- Emu
 - Cooking: TX750.5.E45
- Emulsion
 - Chemical engineering: TP156.E6
- Emulsion processes
 - Photographic process: TR395
- Enameled ware, Catalogs of
 - Metal finishing: TS705
- Enameling
 - Handicrafts: TT382.6

INDEX

- Enameling
 - Metal finishing: TS700+
- Enamels: TP939
 - Ceramic technology: TP812.A1+
 - Engineering materials: TA455.E5
- Enclosure fires
 - Fire prevention: TH9195
- Encryption, Image
 - Optical data processing: TA1636
- Endless carriers
 - Conveying machinery: TJ1390+
- Endurance flights
 - Airplanes: TL711.E6
- Endurance properties and tests: TA418.36+
- Endurance tests
 - Motor vehicles: TL290
- Energy conservation
 - Mechanical engineering: TJ163.26+
 - Telecommunication: TK5102.86
- Energy consumption
 - Hotels, clubs, restaurants, etc.: TX911.3.E45
- Energy development
 - Environmental effects: TD195.E49
- Energy facilities
 - Environmental effects: TD195.E5
- Energy harvesters
 - Electronics: TK2897
- Energy meters and measurements
 - Electrical engineering: TK351
- Energy minerals
 - Mining engineering: TN263.5
- Energy storage
 - Mechanical engineering: TJ165
- Energy systems, Thermal: TJ255+
- Engine houses
 - Management: TF595
 - Railway structures: TF296
- Engine instruments
 - Aeronautical engineering: TL589.6+
- Engineering: TA1+
- Engineering analysis: TA329+
- Engineering design: TA174
- Engineering economy: TA177.4+
- Engineering geology: TA703+
- Engineering, Geotechnical: TA703+
- Engineering graphics: T351+
- Engineering, Hydraulic
 - Environmental effects: TD195.H93
- Engineering implements: TA213+
- Engineering instruments, meters, etc.: TA165
- Engineering laboratories: TA416+
- Engineering machinery: TA213+
- Engineering mathematics: TA329+
- Engineering meteorology: TA197+
- Engineering models: TA177
- Engineering tools: TA213+
- Engineers
 - Accounting: TA185
- Engines
 - Gasoline automobiles: TL210+
- Engines for utilization of furnace and waste gases and heat: TJ780
- Engobes
 - Ceramic decoration: TP823
- Enjoyment of smoking
 - Tobacco industry: TS2249
- Enlargement
 - Photographic processing: TR475
- Enlargements
 - Industrial photography: TR905
- Enrichment
 - Nuclear engineering: TK9360+
- Enterobacteriaceae
 - Water pollutants: TD427.E68
- Entertaining
 - Cooking: TX731
- Entertainment centers
 - Woodworking: TT197.5.E57
- Entourage (Electronic mail system): TK5105.74.E57
- Envelope
 - Airships: TL662.E6
 - Balloons: TL625.E6
- Environmental aspects
 - Hazardous substances and their disposal: TD1050.E58
 - Industries: TD194+
 - Plants: TD194+
 - Product engineering: TS170.5
 - Production management: TS155.7
 - Radioactive waste disposal: TD898.14.E58
- Environmental auditing: TD194.7+
- Environmental chemistry: TD193+
 - Chemical engineering: TP155.2.E58
- Environmental effects of light pollution: TD195.L52
- Environmental effects, Space
 - Engineering materials: TA418.59
- Environmental engineering: TA170+
 - Buildings: TH6014+
 - Electronics: TK7870.24+
 - Space: TL1489+
- Environmental forensics
 - Measurement of pollution: TD193.4
- Environmental geotechnology: TD171.9
- Environmental hydraulics: TC163.5
- Environmental impact analysis
 - Environmental effects of industries and plants: TD194.6+
- Environmental impact statements
 - Environmental effects of industries and plants: TD194.5+
- Environmental laboratories: TD178.8.A1+
- Environmental pollutants, Special: TD195.4+
- Environmental pollution: TD172+
- Environmental protection: TD169+
- Environmental reporting: TD194.8+
- Environmental technology: TD1+

INDEX

- Environmental testing: TA171
- Enzymatic browning
 - Food processing: TP372.55.E59
- Enzymes
 - Biotechnology: TP248.65.E59
 - Chemical technology: TP248.E5
 - Food additives: TP456.E58
 - Food constituent: TX553.E6
- Eolipiles: TJ725
- Epichlorohydrin
 - Air pollutants: TD887.E64
- Epoxy resins
 - Engineering materials: TA455.E6
 - Insulating material: TK3441.E6
 - Plastics: TP1180.E6
- Equalizers
 - Control engineering: TJ223.E65
 - Electronics: TK7872.E7
- Equations, Differential
 - Engineering mathematics: TA347.D45
- Equations, Integral
 - Engineering mathematics: TA347.I5
- Equestrian roads
 - Highway engineering: TE303
- Equilibrium
 - Chemical engineering: TP156.E65
- Equipment
 - Airports: TL725.3.E6
 - Blacksmithing: TT224
 - Cooking: TX656+
 - Heating of buildings: TH7345
 - Petroleum pipelines: TN879.54
 - Petroleum refining: TP690.6
 - Photogrammetry: TR696
 - Plant engineering: TS191+
 - Pollution control methods: TD192
- Equipment analysis
 - Manufacturing engineering: TS181+
- Equipment and supplies
 - Ceramic technology: TP809.5
 - Pipelines: TJ933
 - Woodpulp industry: TS1176.6.E7
- Equipment, Contractors': TA201+
- Equivalent circuit
 - Electrical engineering: TK454.15.E65
- Erbium
 - Chemical technology: TP245.E6
- Erecting work
 - Machinery: TJ249
- Erie Canal
 - Inland navigation: TC625.E6
- Ernemann cameras
 - Photography: TR263.E75
- Erotic photography: TR676
- Error correction
 - Coding theory: TK5102.96
- Error detection and recovery
 - Mechanical engineering: TJ211.417
- Errors
 - Photography in surveying: TA593.9.E75
- Errors in workmanship
 - Machine shop practice: TJ1167
- ES 1020 computer: TK7889.E5
- Escalators: TJ1376
- Esparto
 - Textile fiber: TS1747.E8
- Essences
 - Organic chemical industries: TP958+
- Essential oils
 - Organic chemical industries: TP958+
- Esters
 - Chemical technology: TP248.E62
- Estimates
 - Building construction: TH434+
 - Carpentry and joinery: TH5614+
 - Cement and concrete construction: TA682.26
 - Commercial buildings: TH4315
 - Earthwork: TA721
 - Electrical engineering: TK435
 - Engineering economy: TA183
 - Heating of buildings: TH7335+
 - Houses: TH4815.8
 - Machine shops: TJ1148
 - Masonry construction: TH5330
 - Municipal refuse and solid wastes: TD793.7
 - Plastering: TH8132
 - Plumbing: TH6234+
 - Railroad engineering: TF193
 - Reinforced concrete construction: TA683.26
 - Saline water conversion: TD479.3
- Estimates of labor
 - Pipefitting: TH6721
- Estimates of material
 - Pipefitting: TH6721
- Estimating
 - Cost control: TS166
 - Foundry work: TS238
 - Machine shops: TJ1148
- Estimation of value
 - Hydraulic engineering: TC409
- Estrogen
 - Water pollutants: TD427.E82
- Etching
 - Aircraft propellers: TL706.E8
 - Chemical engineering: TP156.E68
- Ethanol
 - Distilling: TP593
 - Fuel: TP358
- Ethanol pulping process
 - Woodpulp industry: TS1176.6.E79
- Ether
 - Chemical technology: TP248.E65
- Ethernet: TK5105.8.E83

INDEX

- Ethers
 - Organic chemical industries: TP958+
- Ethics
 - Hotels, clubs, restaurants, etc.: TX911.3.E84
- Ethnic restaurants: TX945.4
- Ethylcellulose
 - Chemical technology: TP248.E68
- Ethylene
 - Chemical technology: TP248.E72
- Ethylene dibromide
 - Water pollutants: TD427.E83
- Ethylene dichloride
 - Air pollutants: TD887.E83
- Ethylene oxide
 - Environmental pollutants: TD196.E86
- Ethylene-propylene rubber
 - Manufactures: TS1927.E86
- Eucalyptus
 - Woodpulp industry: TS1176.4.E9
- Eucalyptus oils
 - Organic chemical industries: TP959.E9
- Eutectic alloys
 - Engineering and construction: TA483.3
- Evacuation structures, Vertical
 - Building construction: TH1096.5
- Evaluation
 - Radioactive waste disposal: TD898.14.E83
 - Radioactive waste sites: TD898.155.E83
- Evaporating
 - Chemical technology: TP363
- Evaporation control
 - Reservoirs: TD397
- Evaporators
 - Chemical technology: TP159.E85
- Event data recorders
 - Motor vehicles: TL272.54
- Evolutionary computation
 - Engineering mathematics: TA347.E96
- Evolutionary robotics: TJ211.37
- Exakta cameras
 - Photography: TR263.E9
- Examination
 - Water: TD380+
- Examination of food: TX501+
- Examinations
 - Building construction: TH166
- Excavating
 - Mining: TN277
- Excavating machinery: TA735+
 - Electric driving: TK4059.E9
 - Railroad construction: TF225+
- Excavation
 - Building construction: TH5101
- Excavations
 - Engineering: TA730+
- Excavators
 - Hoisting machinery: TJ1355
- Excelsior
 - Packaging: TS198.6.E9
- Exchanges
 - Telephone: TK6211+
- Executives
 - Nutrition: TX361.E93
- Exhaust, Automobile
 - Air pollutants: TD886.5
- Exhaust, Diesel
 - Air pollutants: TD886.8
- Exhaust emissions
 - Rockets: TL784.E86
- Exhaust emissions, Aircraft
 - Air pollutants: TD886.7
- Exhaust manifolds
 - Gasoline automobiles: TL214.E93
 - Miscellaneous motors and engines: TJ762.E93
- Exhaust-steam utilization systems
 - Low-pressure steam heating: TH7577
- Exhaust systems
 - Diesel engines: TJ799
 - Gasoline automobiles: TL214.E93
 - Miscellaneous motors and engines: TJ762.E93
- Exhausters
 - Pneumatic machinery: TJ960+
- Exhausts
 - Locomotives: TJ650
 - Steam engines: TJ567
- Exhibitions
 - Technology: T391+
- Exiles
 - Photographic portraits: TR681.E94
- Expandable space structures
 - Space vehicles: TL940
- Expansion boards
 - Computer engineering: TK7895.E96
- Expansion joints
 - Rockets: TL784.E9
 - Steam powerplants: TJ424
 - Structural engineering: TA660.E9
- Expansion tanks
 - Hot water heating: TH7542
- Expansion, Thermal
 - Properties of materials: TA418.56+
- Experimental design
 - Industrial engineering: T57.37
- Experiments
 - Examination and analysis of food: TX551+
- Exploration
 - Airplanes: TL721.1
- Explosion or ignition devices
 - Gas engines: TJ773
- Explosion prevention and protection
 - Industrial safety: T55.3.E96
- Explosion systems
 - Fire prevention and extinction: TH9339

INDEX

Explosionproof apparatus
 Electrical engineering: TK454.4.E9
 Explosions
 Mines: TN313
 Sewers: TD690
 Water heaters: TH6565+
 Explosive forming
 Metal manufactures: TS257
 Explosive welding: TS228.96
 Explosives
 Chemical technology: TP270+
 Coal mining: TN803
 Explosives and pyrotechnics
 Chemical technology: TP267.5+
 Exposed film
 Cinematography: TR886.2
 Photographic processing: TR530+
 Exposure bracketing
 Photography: TR594
 Exposure to harmful environments, Packaging for
 protection from: TS198.7+
 Exposures
 Photography: TR591+
 Express
 Railway operation: TF659
 Expression Web (Microsoft)
 Web authoring software: TK5105.8885.M525
 Exterior insulation and finish systems
 Building design and construction: TH2238.7
 Exterior walls
 Building design and construction: TH2235+
 Extraction
 Biotechnology: TP248.25.E88
 Chemical engineering: TP156.E8
 Extractors
 Chemical technology: TP159.E9
 Extracts
 Flavoring aids: TP419
 Extranets
 Computer networks: TK5105.875.E87
 Extraterrestrial radio communication: TK6571+
 Extravehicular activity
 Space travel: TL1096
 Extrusion
 Chemical engineering: TP156.E98
 Plastics: TP1175.E9
 Extrusion of metals
 Metal manufactures: TS255
 Eye protectors
 Plastic: TP1185.E9

F

Fabric flowers
 Decorative crafts: TT890.5+
 Fabric folding
 Textile arts: TT840.F33

Fabrics
 Aeronautics: TL699.F2
 Fabrics, Coating of
 Textile industries: TS1512
 Face painting (Handicrafts)
 Decorative crafts: TT911
 Facsimile transmission
 Television: TK6710+
 Factories
 Air conditioning: TH7688.F2+
 Air pollution: TD888.F3
 Artificial lighting: TH7975.F2
 Building construction: TH4511+
 Design: TS177
 Dust removal: TH7697.F2
 Electric lighting: TK4399.F2
 Electric power: TK4035.F3
 Energy conservation: TJ163.5.F3
 Environmental effects: TD194+
 Fire prevention and extinction: TH9445.M4+
 Heating and ventilation: TH7392.M6
 Plant engineering: TS186
 Plumbing: TH6515.F2
 Sanitary engineering: TH6057.F3
 Security in buildings: TH9745.F3
 Size: TS177.3
 Ventilation: TH7684.F2
 Factory canteens
 Food service: TX946.5.A1+
 Factory construction, Drawings of: TH4516
 Factory equipment and methods
 Airplanes: TL671.28
 Factory management: TS155+
 Factory methods
 Motor vehicles: TL278
 Rockets: TL784.3+
 Factory planning
 Manufacturing engineering: TS177
 Factory sanitation: TD895+
 Factory wastes: TD896+
 Factory wiring
 Electric power: TK3283
 Facts for smokers
 Tobacco industry: TS2249
 Fagoting
 Embroidery: TT778.F33
 Failure
 Dams: TC550.2
 Petroleum pipelines: TN879.55
 Failure analysis: TA169.5+
 Failure of materials: TA409
 Failure of structures: TA656+
 Failures
 Electronics: TK7870.23
 Falling block rifles: TS536.6.F34
 Fallout shelters
 Building construction: TH1097

INDEX

- Falls (Accidents) prevention and protection
 - Industrial safety: T55.3.F35
- Families
 - Photographic portraits: TR681.F28
- Family cinematography
 - Photography: TR896+
- Famous persons
 - Photographic portraits: TR681.F3
- Fancy articles
 - Decorative crafts: TT890+
- Fancy work
 - Textile arts: TT740+
- Fans
 - Electric driving: TK4059.F35
 - Ventilation of buildings: TH7683.F3
- Faolite
 - Engineering materials: TA455.F3
- Far infrared lasers
 - Applied optics: TA1696
- Farm buildings
 - Construction: TH4911+
 - Electric lighting: TK4399.F3
 - Heating and ventilation: TH7392.F3
 - Sanitary engineering: TH6057.F35
 - Ventilation: TH7684.F3
- Farm engines: TJ712
 - Gas engines: TJ777.F3
- Farm machinery
 - Mechanical engineering: TJ1480+
- Farm roads
 - Highway engineering: TE229.2
- Farm sanitary engineering: TD920+
- Farmers
 - Nutrition: TX361.F37
 - Photographic portraits: TR681.F316
- Farmhouses
 - Building construction: TH4920
 - Plumbing: TH6515.F3
- Farms
 - Electric power: TK4018
 - Fire prevention and extinction: TH9445.F35
 - Photography: TR739.5
- Fashion: TT500+
- Fashion drawing: TT509
- Fashion exhibitions: TT502
- Fashion magazines: TT500.A2+
- Fashion photography: TR679
- Fashion shows: TT502
- Fashion writing: TT503.5
- Fast day cooking: TX837+
- Fast express trains: TF573
- Fast food restaurants
 - Food service: TX945.3
- Fast reactors
 - Nuclear engineering: TK9203.F3
- Fasteners
 - Aeronautics: TL697.F37
- Fasteners
 - Machine shops: TJ1320+
- Fat substitutes: TP447.F37
- Father and child
 - Photographic portraits: TR681.F32
- Fathers and daughters
 - Photographic portraits: TR681.F33
- Fathers and sons
 - Photographic portraits: TR681.F34
- Fatigue
 - Man-machine systems: T59.72
 - Psychological aspects: T59.72
 - Structural analysis: TA656.3
- Fatigue behavior
 - Endurance properties and tests: TA418.38
- Fats
 - Chemical technology: TP669+
- Fats (Animal and vegetable)
 - Food values: TX560.F3
- Faucets
 - Water supply plumbing: TH6528
- Feather flowers
 - Decorative crafts: TT891
- Feather industry: TS2301.F4
- Feather renovating
 - Chemical technology: TP933
- Feed apparatus
 - Steam boilers: TJ375+
- Feed pumps
 - Steam boilers: TJ385
- Feedback amplifiers: TK7871.58.F4
- Feedback control systems
 - Mechanical engineering: TJ216
- Feeders
 - Chemical technology: TP159.F4
- Feedforward control systems
 - Mechanical engineering: TJ216.5
- Feedlots
 - Waste control: TD899.F4
- Feeds
 - Biotechnology: TP248.65.F44
- Feedwater heaters
 - Steam boilers: TJ381+
- Feedwater purification
 - Steam boilers: TJ379
- Feldspar
 - Mining engineering: TN948.F3
- FELIX C-256 computer: TK7889.F44
- Felt
 - Composition roofing: TH2451
 - Decorative crafts: TT880
 - Nonwoven fabrics: TS1830.F44
- Felt marker decoration: TT386
- Felt work
 - Textile arts: TT849.5
- Felting
 - Nonwoven fabrics: TS1830.F44

INDEX

- Felts
 - Paper manufacture: TS1118.F4
- Fences
 - Building construction: TH4955+, TH4965
 - Railway structures: TF277
 - Security in buildings: TH9732
- Fenders
 - Hydraulic engineering: TC373
- Fermentation, Industrial
 - Chemical engineering: TP156.F4
- Fermentation industries
 - Chemical technology: TP500+
- Fermentation of molasses: TP592
- Fermented beverages
 - Cooking: TX726+
- Fermented food
 - Cooking: TX827.5
 - Food values: TX560.F47
- Fermented milk
 - Beverages: TP565
- Fermenting
 - Food preservation: TP371.44
- Ferrari automobile: TL215.F47
- Ferrite devices
 - Electronics: TK7872.F4
- Ferrites
 - Electronics: TK7871.15.F4
- Ferrochromium
 - Metallurgy: TN757.F25
- Ferroelectric devices
 - Electronics: TK7872.F44
- Ferromagnetography
 - Photography: TR1050
- Ferromanganese
 - Metallurgy: TN757.F3
- Ferronickel
 - Metallurgy: TN757.F33
- Ferrosilicon
 - Metallurgy: TN757.F4
- Ferrottype
 - Photography: TR375
- Ferrous metals
 - Metallurgy: TN701.482+
- Ferry bridges: TG435
- Ferrying
 - Airplanes: TL711.F47
- Fertilization
 - Pollution control methods: TD192.6
- Fertilizer industry
 - Air pollution: TD888.F45
 - Environmental effects: TD195.F46
 - Waste control: TD899.F47
- Fertilizer, Sewage disposal as: TD774+
- Fertilizers
 - Environmental pollutants: TD196.F47
 - Organic chemical industries: TP963+
 - Water pollutants: TD427.F45
- Fiber building boards
 - Building construction: TH1555
- Fiber glass
 - Engineering materials: TA450
- Fiber optics
 - Telecommunication: TK5103.592.F52
- Fiber optics, Applied: TA1800+
- Fiber strengthened composites
 - Engineering and construction: TA481.5
- Fiberboard
 - Wood products: TS875
- Fiberglass craft: TT297.8
- Fiberloid
 - Plastics: TP1180.F5
- Fibers
 - Air pollutants: TD887.F48
 - Engineering materials: TA418.9.F5
 - Food constituent: TX553.F53
 - Reinforced plastics: TP1177.5.F5
- Fibrous composites
 - Engineering materials: TA418.9.C6
- Field and runway localizer: TL696.L3
- Field, C.W.: TK5611
- Field effect transistors: TK7871.95
- Field poles
 - Generators: TK2465
- Field shoes
 - Generators: TK2466
- Field winding and spools
 - Generators: TK2475
- Field yoke
 - Generators: TK2464
- Fieldwork
 - Metallography: TN690.65
- Fighter kites: TL759.6.F54
- Figs
 - Cooking: TX813.F5
- Filaments
 - Electric lighting: TK4365
- File Transfer Protocol: TK5105.5665
- Files and filing
 - Machine shops: TJ1285
- Fillers
 - Chemical technology: TP159.F47
 - Mining engineering: TN948.F45
 - Paints: TP937.7
- Fillets, Metal
 - Engineering and construction: TA492.F4
- Fills and embankments
 - Highway engineering: TE210.8
- Film cameras
 - Individual makes: TR263.A+
- Film catalogs
 - Machine shops: TJ1127
- Films
 - Electronics: TK7871.15.F5
 - Packaging materials: TS198.3.F5

INDEX

- Films
 - Plastics: TP1183.F5
 - Sensitive surfaces
 - Photography: TR283
- Filo dough
 - Cooking: TX770.F55
- Filter basins and plants
 - Mechanical treatment of water purification: TD447
- Filter presses
 - Lifting machinery: TJ1470+
- Filters
 - Radio: TK6565.F5
- Filters (Electric)
 - Electronics: TK7872.F5
- Filtration
 - Chemical engineering: TP156.F5
 - Sewage purification: TD753
 - Water purification: TD441+
- Finance
 - Hotels, clubs, restaurants, etc.: TX911.3.F5
- Finance, Household: TX326.A1+
- Finials
 - Building construction: TH2495
- Finish carpentry: TH5640+
- Finishes
 - Aeronautics: TL699.F5
- Finishing
 - Ceramic technology: TP814
 - Paper manufacture: TS1118.F5
 - Photographic processing: TR310
 - Plastics: TP1170
 - Textile industries: TS1510
 - Treatment of positives
 - Photographic processing: TR337
 - Woodworking: TT199.4
- Finishing industry
 - Energy conservation: TJ163.5.F5
- Finishing processes
 - Boot and shoemaking: TS1007
 - Cement and concrete construction: TA682.49
 - Cotton manufactures: TS1580
 - Woolen manufactures: TS1630
- Finite element method
 - Engineering mathematics: TA347.F5
- Fins
 - Airplanes: TL677.F5
- Fire alarms: TH9271+
- Fire and fire prevention
 - Chemical technology: TP265+
- Fire carts: TH9378+
- Fire clay
 - Engineering materials: TA455.F5
- Fire department management
 - Building construction: TH9158
- Fire departments, City: TH9500+
- Fire detection: TH9271+
- Fire detectors: TH9271
- Fire doors
 - Building design: TH2278+
 - Fire-resistive building construction: TH1069
- Fire drills: TH9402+
- Fire engines
 - Fire extinction: TH9371+
- Fire escapes
 - Building construction: TH2274
- Fire extinction
 - Building construction: TH9111+, TH9310+
- Fire extinction equipment: TH9360+
- Fire extinguishers: TH9362
- Fire extinguishing agents: TP266
 - Water pollution: TD428.F57
- Fire fighters
 - Physical training: TH9128
- Fire hose: TH9378+
- Fire hydrants: TH9365
- Fire inspectors' handbooks: TH9176
- Fire insurance engineering
 - Fire prevention and extinction: TH9201+
- Fire investigation: TH9180
- Fire prevention
 - Aeronautics: TL697.F5
 - Airports: TH9445.A5
 - Building construction: TH9111+, TH9241+
 - Motor vehicles: TL241
 - School buildings: TH9445.S3
 - Space vehicles: TL901
- Fire prevention as a profession: TH9119
- Fire pumps: TH9363
- Fire-resistant construction, Tests of: TH1091+
- Fire resistant plastics: TH1074
- Fire resistant polymers: TH1074.5
- Fire-resistive building construction: TH1061+
- Fire-retardant coatings
 - Building construction: TH1073
- Fire shutters
 - Fire-resistive building construction: TH1069
- Fire streams
 - Fire extinction: TH9323
- Fire testing
 - Building construction: TH1091+
- Fire testing of materials
 - Fire prevention: TH9446.3+
- Firearms
 - Manufactures: TS532+
- Firearms, Muzzle-loading
 - Manufactures: TS535.8
- Firearms, Repeating
 - Manufactures: TS536
- Fireboats
 - Fire prevention and extinction: TH9391
- Fireboxes
 - Locomotives: TJ646+
- Firebrick
 - Brickmaking: TP832.F5

INDEX

- Fireclay products
 - Architectural ceramics: TP838
- Firedamp
 - Mining engineering: TN305+
- Firefox: TK5105.883.F55
- Fireless cookers
 - Cooking: TX831
- Firemen's associations: TH9500+
- Firemen's manuals: TH9151
 - Steam boilers: TJ289
- Fireplace cooking: TX840.F5
- Fireplace heating with wood
 - Radiative heading: TH7424+
- Fireplaces
 - Radiative heating: TH7425+
- Fireproof building construction: TH1061+
- Fireproofing
 - Building construction: TH1073+
- Fireproofing agents: TP266.5
- Fireproofing of fabrics: TP267
- Fires
 - Fire prevention and extinction: TH9448+
 - Mines: TN315
 - Motor vehicles: TL241
 - Space vehicles: TL901
- Fires and smoking
 - Fire prevention: TH9197
- Fires and static electricity
 - Fire prevention: TH9198.5
- Fires, Tests in
 - Fire-resistive-building construction: TH1093
- Firewall
 - Airplanes: TL681.F5
- Fireworks (Web authoring software): TK5105.8885.F55
- First aid
 - Mining engineering: TN297
- Fish
 - Adulteration: TX595.F47
 - Cooking: TX747+
 - Food values: TX556.5
 - Nature photography: TR729.F5
 - Nutritional value: TX385
 - Preservation and storage: TX612.F5
 - Utilization of waste: TP996.F5
- Fisheries
 - Use of airplanes: TL722.2
 - Waste control: TD899.F5
- Fishers
 - Nutrition: TX361.F5
 - Photographic portraits: TR681.F57
- Fishery processing industries
 - Environmental effects: TD195.F52
 - Waste control: TD899.F57
- Fishing lodges
 - Construction: TH4880
- Fishplates
 - Railway construction: TF261
- Fission reactors: TK9202+
- Fittings
 - Steam heating: TH7595
- FiWi access networks: TK5105.775
- Fixed bed reactors: TP159.F49
- Fixed ladders
 - Building design and construction: TH2258
- Fixing
 - Photographic negatives: TR305
 - Photographic positives: TR335
- Flagging
 - Pedestrian facilities: TE280+
- Flags
 - Textile arts: TT850.2
- Flags industry: TS2301.F6
- Flame hardening
 - Steel metallurgy: TN752.F4
- Flame monitors
 - Building gas supply: TH6882
- Flammability of materials
 - Fire prevention: TH9446.3+
- Flanges, Metal
 - Engineering and construction: TA492.F5
- Flaps
 - Airplanes: TL673.F6
- Flare gas systems
 - Chemical technology: TP159.F52
- Flash
 - Computer animation: TR897.72.F53
- Flash photography: TR605+
- Flash (Web authoring software): TK5105.8885.F59
- Flashlight
 - Photography: TR605+
- Flat coils
 - Radiators: TH7483
- Flat roofs
 - Building construction: TH2409
- Flatbreads
 - Cooking: TX770.F57
- Flavor
 - Wine and winemaking: TP548.5.F55
- Flavoring
 - Meat-packing industries: TS1974.F5
- Flavoring aids: TP418+
- Flavoring extracts
 - Adulteration: TX589
- Flax industry: TS1700+
- Flexible AC transmission systems
 - Electrical engineering: TK3148
- Flexible electronics: TK7872.F54
- Flexible manufacturing systems
 - Manufactures: TS155.65
- Flexible packaging: TS198.F55
- Flexible structures
 - Structural engineering: TA660.F53
- Flexure
 - Testing of materials: TA417.7.F5

INDEX

- Flickr: TR267.5.F55
- Flight mechanics: TL1050+
- Flight recorders
 - Aeronautical instrument: TL589.2.F5
- Flight simulators
 - Airplanes: TL712.5
- Flight trainers
 - Airplanes: TL712.5
- Flight training
 - Airplanes: TL712+
- Flint
 - Mining engineering: TN948.F5
- Flintknapping
 - Handicrafts: TT293
- Flitch beams
 - Structural engineering: TA660.F57
- Floating airports: TL725.7
- Floating docks
 - Harbor engineering: TC363
- Floating harbors
 - Harbor engineering: TC363
- Floating piers
 - Harbor engineering: TC363
- Floatplanes: TL684.3
- Floats
 - Seaplanes: TL684.3
- Flocculants
 - Chemical technology: TP159.F54
- Flocculation
 - Biotechnology: TP248.25.F55
 - Chemical engineering: TP156.F55
 - Sewage purification: TD751
 - Water purification: TD455
- Flocking, Electrostatic
 - Textile industries: TS1512.5
- Flood control
 - Hydraulic engineering: TC530+
- Flood control channels
 - Hydraulic engineering: TC531
- Flooding
 - Deserts and wastelands: TC950+
 - Mines: TN318
- Floodlighting
 - Electric lighting: TK4399.F55
- Floor drainage
 - Plumbing: TH6671.F6
- Floor framing
 - Building construction: TH2311
- Flooring
 - Building: TH2521+
- Floors
 - Bridge engineering: TG325.6
 - Building: TH2521+
 - Structural engineering: TA660.F6
- Florida Information Resource Network
 - Computer networks: TK5105.875.F55
- Flotation
 - Ore dressing and milling: TN523
- Flour
 - Adulteration: TX595.F5
 - Food values: TX558.W5
- Flour mills
 - Electric power: TK4035.F6
 - Fire prevention and extinction: TH9445.M45
 - Noise control: TD893.6.F58
 - Ventilation: TH7684.F45
- Flourides
 - Water pollutants: TD427.F54
- Flow
 - Aerodynamics: TL574.F5
- Flow assurance
 - Petroleum pipelines: TN879.555
- Flow batteries
 - Electricity production: TK2945.F56
- Flow chemistry
 - Chemical engineering: TP156.F6
- Flow cytometry
 - Biotechnology: TP248.25.F57
- Flow of fluids
 - Space environment: TL1496
- Flow of fluids in pipes
 - Hydraulic machinery: TJ935
- Flow of gases in pipes
 - Pneumatic machinery: TJ1025+
- Flow of liquids
 - Chemical engineering: TP156.F6
- Flow theory
 - Sewers: TD675+
- Flow, Unsteady
 - Applied fluid mechanics: TA357.5.U57
- Flow, Viscous
 - Applied fluid mechanics: TA357.5.V56
- Flow visualization
 - Applied fluid mechanics: TA357.5.F55
- Flower wines
 - Beverages: TP561
- Flowers
 - Cooking: TX814.5.F5
 - Embroidery: TT773
 - Nature photography: TR724+
 - Nutrition: TX396
- Flowmeters
 - Hydraulic machinery: TJ935
- Flue gases
 - Air pollutants: TD885+
- Flues
 - Building construction: TH2281+
 - Ventilation of buildings: TH7683.R4
 - Warm-air heating: TH7625
- Fluid dynamics
 - Engineering: TA357+
 - Petroleum pipelines: TN879.56
 - Space environment: TL1496

INDEX

- Fluid dynamics
 - Turbomachinery: TJ267
- Fluid fuel reactors
 - Nuclear engineering: TK9203.F5
- Fluid mechanics, Applied: TA357+
- Fluid-structure interaction
 - Applied fluid mechanics: TA357.5.F58
- Fluidic devices: TJ853+
- Fluidics: TJ853+
- Fluidization
 - Chemical engineering: TP156.F65
- Fluids
 - Well drilling: TN871.27
- Flumes
 - Hydrodynamics: TC175+
- Fluorescent lamps and systems: TK4386
- Fluoridation
 - Water purification: TD467
- Fluorides
 - Air pollutants: TD887.F63
- Fluorine
 - Air pollutants: TD885.5.F57
 - Chemical technology: TP245.F6
- Fluorine compounds
 - Engineering materials: TA455.F54
 - Environmental pollutants: TD196.F54
- Fluorine organic compounds
 - Insulating material: TK3441.F55
- Fluorite
 - Prospecting: TN271.F6
- Fluoro-organic compounds
 - Chemical technology: TP248.F5
- Fluorocarbons
 - Air pollutants: TD887.F67
 - Environmental pollutants: TD196.F55
 - Plastics: TP1180.F6
- Fluorspar
 - Mining engineering: TN948.F6
 - Prospecting: TN271.F6
- Flush tanks
 - Plumbing: TH6500
- Flushing apparatus
 - Sewer appurtenances: TD698
- Flushing systems
 - Cold water supply plumbing: TH6544
- Flutter
 - Aerodynamics: TL574.F6
 - Aircraft propellers: TL706.B3
- Fluxes in plumbing: TH6297
- Fly ash
 - Engineering materials: TA455.F55
 - Soil stabilization: TE210.5.F55
 - Water pollutants: TD427.F58
- Fly-by-wire systems
 - Airplanes: TL678.5
- Flying
 - Aeronautics: TL710+
- Flying automobiles
 - Airplanes: TL684.8
- Flying boats
 - Seaplanes: TL684.2
- Flying clubs
 - Airplanes: TL713.5
- Flying exhibits: TL722.5
- Flying machines (Non-airplanes): TL713.7+
- Flying saucers: TL789+
- Flying schools
 - Airplanes: TL713.A+
- Flying signboards
 - Airplane advertising: TL722.5
- Flywheel
 - Steam engines: TJ541
- FM broadcasting
 - Radio: TK6562.F2
- Foam flotation
 - Sewage purification: TD754.5
 - Water purification: TD473
- Foam fractionation
 - Chemical engineering: TP156.F66
 - Sewage purification: TD754.5
 - Water purification: TD473
- Foamed materials
 - Engineering materials: TA418.9.F6
- Foamed plastics: TP1183.F6
- Focaccia
 - Cooking: TX770.F63
- Focus automobiles: TL215.F69
- Foden trucks: TL230.5.F54
- Fog
 - Water supply: TD415
- Fog control
 - Aeronautical meteorology: TL557.F6
- Fog-pollutant mixtures
 - Air pollutants: TD884.3
- Foils
 - Packaging materials: TS198.3.F5
- Folded plates
 - Structural engineering: TA660.P63
- Folding
 - Paper manufacture and trade: TS1200.A1+
- Folding, Fabric
 - Textile arts: TT840.F33
- Folding machinery
 - Paper manufacture and trade: TS1200.A1+
- Folding wings
 - Airplanes: TL675
- Food
 - Biotechnology: TP248.65.F66
 - Space environment: TL1560
- Food additives
 - Food processing: TP455+
- Food and wine pairing: TX911.3.M45
- Food economy in war time: TX357
- Food handling in the home: TX599+

INDEX

- Food industry
 - Electric power: TK4035.F67
 - Energy conservation: TJ163.5.F6
 - Environmental effects: TD195.F57
 - Fire prevention and extinction: TH9445.F6
 - Noise control: TD893.6.F64
 - Waste control: TD899.F585
- Food manufacturing
 - Chemical technology: TP368+
- Food of animal origin
 - Cooking: TX743+
 - Food values: TX555+
 - Nutrition: TX371+
- Food photography: TR656.7
- Food presentation
 - Cooking: TX740.5
- Food processing
 - Chemical technology: TP368+
- Food processing plants
 - Air conditioning: TH7688.F24
 - Building construction: TH4526
 - Chemical technology: TP373
 - Dust removal: TH7697.F55
- Food processor recipes
 - Cooking: TX840.F6
- Food research institutes
 - Nutrition: TX341+
- Food service: TX901+
 - Business mathematics: TX911.3.M33
 - Hotels, clubs, restaurants, etc.: TX943+
 - Transportation engineering: TA1227
- Food standards
 - Examination and analysis: TX537
- Food storage pests: TP373.3
- Food substitutes
 - Food processing and manufacture: TP446+
- Food supply
 - Home economics: TX341+
- Food tourism: TX631+
- Food truck cooking: TX840.F76
- Food values
 - Examination and analysis of food: TX551+
- Food writers
 - Cooking
 - Biography: TX649.A1+
- Foods
 - Home economics: TX341+
- Foods for special purposes: TP450+
- Foot baths
 - Plumbing: TH6494, TH6495
- Football stadiums
 - Environmental effects: TD195.S68
- Footbridges: TG428
- Footpaths
 - Pedestrian facilities: TE280+
- Footwear
 - Clothing manufacture: TT678.5
- Forced circulation systems
 - Hot water heating: TH7535
- Forced draft
 - Furnaces: TJ335
- Ford automobile: TL215.F7
- Ford trucks: TL230.5.F57
- Forecasting, Technological: T174
- Foreign visitors
 - Photographic portraits: TR681.V58
- Foremen
 - Manufacturing personnel: TS155.5
- Forensic engineering: TA219
- Forensics, Mobile device: TK5103.4837
- Forest roads
 - Highway engineering: TE229.5
- Forestry
 - Water pollution: TD428.F67
- Forge shops
 - Noise control: TD893.6.F65
- Forging
 - Handicrafts: TT215+
 - Metal manufactures: TS225+
- Formaldehyde
 - Chemical technology: TP248.F6
 - Environmental pollutants: TD196.F65
- Formaldehyde release
 - Wood products: TS858
- Formation damage
 - Well drilling: TN871.24
- Formic acid
 - Chemical technology: TP248.F63
- Formula One automobiles: TL236.265
- Formwork
 - Cement and concrete construction: TA682.44
 - Reinforced concrete construction: TA683.44
- Fossil fuels
 - Air pollutants: TD887.F69
 - Environmental pollutants: TD196.F67
- Fossil gums
 - Mining engineering: TN885
- Fouling organisms
 - Water pollutants: TD427.F68
- Foundation
 - Generators: TK2458.F68
- Foundation garments
 - Clothing manufacture: TT677
- Foundation work
 - Building construction: TH5201
- Foundations
 - Building design and construction: TH2101
 - Engineering: TA775+
 - Highway engineering: TE210+
 - Machinery: TJ249
 - Steam engines: TJ523
 - Walls: TH2221
- Founding
 - Nonferrous metals: TS375

INDEX

- Foundries
 - Air pollution: TD888.F6
 - Dust removal: TH7697.F6
 - Environmental effects: TD195.F6
 - Heating and ventilation: TH7392.F6
 - Waste control: TD899.F6
- Foundry equipment and supplies: TS237
- Foundry management: TS238
- Foundry work
 - Metal manufactures: TS228.99+
- Fountain pens
 - Stationery: TS1266
- Fountains
 - Building construction: TH4977
 - Cement manufacture: TP885.F7
 - Water distribution systems: TD482
 - Water supply: TH6569.F7
- Four-stroke engines
 - Internal combustion engines: TJ790
- Four Wheel Drive Vehicles: TL230.5.F6
- Fourth of July decorations
 - Decorative crafts: TT900.F68
- Fracture
 - Strength of materials: TA409
- Fracture, Brittle
 - Structural analysis: TA656.4
- Frame
 - Airships: TL662.F7
 - Cycles: TL415
 - Motor vehicles: TL255+
- Frame relay
 - Packet switching: TK5105.38
- Frame setting
 - Steam engines: TJ525
- Frames
 - Reinforced concrete construction: TA683.5.F8
 - Structural engineering: TA660.F7
 - Window and door: TH2272
- Frames and running gear
 - Locomotives: TJ640
- Frames, Continuous
 - Structural engineering: TA660.F72
- Frames, Multistory
 - Structural engineering: TA660.F73
- Framing
 - Building construction: TH2301+
- Framing of prints
 - Photographic processing: TR340
- Franche-Comté cooking: TX719.2.F73
- Frasca engines
 - Internal combustion engines: TJ792
- Free balloons, Operation of: TL626+
- Free electron lasers
 - Applied optics: TA1693
- Free flight
 - Airports: TL725.3.F73
- Free lance cinematography
 - Photography: TR894.4
- Free piston engines: TJ779
- Free space optics
 - Telecommunication: TK5103.592.F73
- Freehand drawing, Technical: T359
- Freelance photography: TR690.2
- Freeze-drying
 - Food preservation: TP371.6
- Freezing
 - Food preservation: TP372.3
 - Home preservation of foods: TX610
- Freezing methods
 - Saline water conversion: TD480.2
- Freezing of pipes
 - Plumbing: TH6685
- Freight
 - Railway operation: TF662+
 - Transportation engineering: TA1210+
- Freight cars
 - Railway equipment: TF470+
- Freight service
 - Electric railways: TF970
- Freight subways: TF850+
- Freight trains: TF580+
- Freight yards and terminals
 - Railway structures: TF305+
- French toast
 - Cooking: TX770.F73
- Frequency changers
 - Electronics: TK7872.F7
 - Radio: TK6565.F7
- Frequency division multiple access: TK5103.4817
- Frequency meters
 - Electronics: TK7879.4
- Frequency meters and measurements
 - Electrical engineering: TK381
- Frequency modulation radios: TK6564.F7
- Frequency synthesizers
 - Electronics: TK7872.F73
- Frequency-voltage converters
 - Electronics: TK7872.V54
- Frescoing
 - Painting: TT323
- Fresh air inlets
 - House drainage: TH6649
- Fretwork
 - Building construction: TH8581+
- Friction
 - Aerodynamics: TL574.F7
 - Mechanical engineering: TJ1075+
- Friction clutches
 - Mechanical engineering: TJ1074
- Friction metals
 - Metallography: TN693.F7
- Fried rice
 - Cooking: TX809.R5

INDEX

- Frogs
 - Railway construction: TF266+
- Front desk
 - Hotels: TX911.3.F75
- Front-screen projection
 - Cinematography: TR859
- Frontage roads
 - Highway engineering: TE228.7
- FrontPage (Microsoft)
 - Web authoring software: TK5105.8885.M53
- Frozen food
 - Cooking: TX828
- Frozen ground construction
 - Engineering: TA713
- Fructose
 - Cooking: TX819.F78
- Fruit
 - Food processing: TP440+
 - Food values: TX558.F7
 - Nutrition
 - Home economics: TX397
 - Preparation (Cooking): TX811+
 - Preservation and storage: TX612.F7
- Fruit drinks
 - Cooking: TX817.F78
- Fruit juices
 - Beverages: TP562+
- Fruit processing plants
 - Waste control: TD899.F7
- Fruit products
 - Food processing: TP440+
- Fruit wines
 - Beverages: TP561
- Fryers
 - Cooking equipment: TX657.F7
- Frying
 - Cooking process: TX689+
- Fuel
 - Aircraft engines: TL704.7
 - Chemical technology: TP315+
 - Locomotives: TJ648
 - Rockets: TL785
- Fuel cells
 - Electrical engineering: TK2931+
 - Vehicles: TL221.13
- Fuel claddings
 - Nuclear reactors: TK9207.5
- Fuel consumption
 - Motor vehicle operation: TL151.6
- Fuel economizers
 - Furnaces: TJ340
- Fuel elements
 - Nuclear reactors: TK9207
- Fuel feeding
 - Aircraft engines: TL702.F8
- Fuel injection systems
 - Diesel engines: TJ797
- Fuel injection systems
 - Gasoline automobiles: TL214.F78
- Fuel reprocessing plants, Reactor
 - Environmental effects: TD195.R4
- Fuel systems
 - Diesel engines: TJ797
 - Furnaces: TJ324.5
 - Gasoline automobiles: TL214.F8
 - Jet engines: TL709.5.F8
 - Miscellaneous motors and engines: TJ762.F84
 - Rockets: TL784.F8
- Fuel testing plants: TP322
- Fugu
 - Cooking: TX748.F83
- Fujifilm cameras
 - Photography: TR263.F85
- Fullers' earth
 - Mining engineering: TN948.F9
- Fulminates
 - Explosives: TP293
- Fumes
 - Air pollutants: TD884.5
- Fumigants
 - Environmental pollutants: TD196.F85
- Fumigation
 - Protection of buildings: TH9041
- Function generators
 - Computer engineering: TK7895.F8
 - Electronics: TK7872.F85
- Functional analysis
 - Engineering mathematics: TA347.F86
- Functionally gradient materials
 - Engineering materials: TA418.9.F85
- Functions of complex variables
 - Engineering mathematics: TA347.C64
- Fungal biotechnology: TP248.27.F86
- Fungal remediation
 - Pollution control methods: TD192.72
- Fungi
 - Cooking: TX803.F85
 - Deterioration of wood: TA423.2+
 - Nature photography: TR726.F85
 - Packaging protection: TS198.8.F8
 - Water pollutants: TD427.F85
- Fungicides
 - Chemical technology: TP248.F79
 - Preservation of wood: TA424.6.F8
- Funny cars: TL236.23
- Fur garments
 - Women's tailoring: TT525
- Furaldehyde
 - Chemical technology: TP248.F8
- Furans
 - Plastics: TP1180.F8
- Furnaces
 - Central heating: TH7470+
 - Chemical technology: TP159.F87

INDEX

Furnaces

Fire prevention and extinction: TH9445.F87
 Glassmaking: TP859.5
 High-pressure hot water heating: TH7534.A+
 Hot water heating: TH7538+
 Low-pressure hot water heating: TH7529
 Steam boilers: TJ320+
 Steam heating: TH7588+
 Warm-air heating: TH7623+

Furnaces, Cupola

Foundry work: TS231

Furnishing

The house: TX311+

Furnishings

Hotels, clubs, restaurants, etc.: TX912
 Men's clothing: TT627
 Taverns, barrooms, saloons: TX952+

Furnishings, Table

Dining-room service: TX877

Furniture

Finishing: TS886
 Fire testing: TH9446.5.F87
 Manufactures: TS840+
 Metal manufactures: TS408
 Wood manufactures: TS879.2+
 Woodworking: TT194+

Furniture design

Woodworking: TT196

Furniture, Plastic

Plastic technology: TP1185.F8

Furs

Manufactures: TS1060+

Fuselage

Airplanes: TL680+

Fuses

Dynamolectric machinery: TK2841+
 Electric power transmission: TK3511
 Explosives: TP293

Fusible plugs

Furnaces: TJ356

Fusion reactors: TK9204

FutureTense Texture

Web authoring software: TK5105.8885.F87

G

Gadolinium

Chemical technology: TP245.G2

Gage

Steam boilers: TJ363

Gages

Machine shop practice: TJ1166

Gaging and testing

Distilling: TP609

Gaging systems

Machine shop practice: TJ1166

Galena: TN452.G3

Gallium

Chemical technology: TP245.G4

Metallurgy: TN799.G3

Gallium arsenide

Electronics: TK7871.15.G3

Gallium nitride

Electronics: TK7871.15.G33

Galvanizing

Metal finishing: TS660

Galvanometers

Electric meters: TK311

Game

Cooking: TX751

Nutrition: TX375

Game theory

Industrial engineering: T57.92

Games

Electronics: TK7882.G35

Gamma ray lasers

Applied optics: TA1694

Gantt charts: TS157.7

Gap

Airplanes: TL673.G3

Garages

Building construction: TH4960

Fire prevention and extinction: TH9445.G3

Heating and ventilation: TH7392.G37

Garand rifle: TS536.6.G37

Garbage

Waste disposal: TD801+

Garden furniture

Cement manufacture: TP885.G3

Garden structures

Construction: TH4961+

Garden toolsheds

Building construction: TH4962

Garden walks

Building construction: TH4970

Gardens

Artistic photography: TR662

Garlic

Cooking: TX819.G3

Food processing and manufacture: TP444.G37

Garment industry: TT490+

Garments, Dyeing of

Textile decoration: TT853+

Garnets

Mineral industries: TN997.G3

Garnishes

Cooking: TX740.5

Gas

Blast furnaces: TN718

Fuel: TP345.A1+

Lighter-than-air craft fuel: TL666

Gas air conditioning: TH7687.85

Gas appliances

Building construction: TH6855+

INDEX

- Gas burning installations
 - Furnaces: TJ325
- Gas cells
 - Airships: TL662.G3
- Gas chromatography
 - Food analysis: TX548.2.G36
- Gas cooled reactors
 - Nuclear engineering: TK9203.G3
- Gas engines: TJ770+
- Gas fireplace heating
 - Local heating: TH7434
- Gas fixtures
 - Building construction: TH6855+
- Gas fuels
 - Central heating: TH7466.G3
- Gas heating
 - Central heating: TH7463
 - Heating of buildings: TH7405+
- Gas in buildings
 - Plumbing: TH6800+
- Gas industry
 - Chemical technology: TP750.2+
 - Environmental effects: TD195.G3
 - Waste control: TD899.G3
- Gas lasers
 - Applied optics: TA1695
- Gas lighting
 - Building construction: TH7910+
- Gas lighting fixtures
 - Artificial lighting: TH7960+
- Gas logs
 - Local heating: TH7434
- Gas-lubricated bearings
 - Mechanical engineering: TJ1073.5
- Gas manufacture and works
 - Air pollution: TD888.G37
- Gas masks
 - Industrial safety: T55.3.G3
- Gas meters
 - Building construction: TH6870
- Gas ovens
 - Cooking: TX657.O6
- Gas powerplants: TJ768
- Gas producer automobiles: TL229.G3
- Gas producers for industrial purposes: TP762
- Gas recorders
 - Gas industry: TP754
- Gas refrigerators: TP497.A1+
- Gas, Sewer: TD690
- Gas storage: TP756
- Gas stove heating
 - Building construction: TH7453+
- Gas stoves
 - Convective heating: TH7454+
 - Cooking: TX657.S6
- Gas toasters
 - Cooking: TX657.T6
- Gas tubes: TK7871.8+
- Gas turbine automobiles: TL226+
- Gas turbine locomotives: TJ622
- Gas-turbine motorcars
 - Railway equipment: TF499
- Gas turbine power plants: TK1076
- Gas turbines: TJ778
- Gas water heaters
 - Plumbing: TH6561
- Gas welding: TS228+
- Gas well drilling: TN880.2
- Gas well supplies
 - Petroleum engineering: TN871.5
- Gascony cooking: TX719.2.G37
- Gaseous fuel
 - Chemical technology: TP343+
- Gases
 - Air pollutants: TD885+
 - Chemical technology: TP242+
 - Insulating material: TK3441.G3
- Gases as conductors
 - Electric power: TK3311.G3
- Gases, Asphyxiating
 - Effect on food: TX571.G3
- Gases, Compressed
 - Automobiles: TL228
- Gases from explosives
 - Mines: TN306
- Gases in mines: TN305+
- Gases, Poisonous
 - Effect on food: TX571.G3
- Gasholders: TP756
- Gasification of coal: TP759
- Gasification of oil: TP759
- Gaskets
 - Gasoline automobiles: TL214.G37
 - Machinery: TJ246
- Gasohol
 - Fuel: TP358
- Gasoline
 - Fire prevention and extinction: TH9446.G3
 - Petroleum products: TP692.2
- Gasoline automobiles: TL205+
- Gasoline engines
 - Mine transportation: TN338
- Gasoline fire engines: TH9377
- Gasoline handling and storage: TP692.5
- Gasoline locomotives: TJ621
- Gasoline motorcars
 - Railway equipment: TF497
- Gasoline stoves
 - Cooking: TX657.S7
- Gastronomy: TX15+
- Nutrition: TX631+
- Gasworks
 - Gas industry: TP752
 - Noise control: TD893.6.G37

INDEX

- Gate array circuits
 - Computer engineering: TK7895.G36
- Gates
 - Building construction: TH4955+, TH4965
 - Dams: TC553
 - Hydraulic powerplants: TJ847
 - Hydrostatics: TC169
 - Irrigation engineering: TC937
- Gateways
 - Computer networks: TK5105.543
- Gauges
 - Railway construction: TF244
- Gazebos
 - Building construction: TH4963
- Gear
 - Aircraft propellers: TL707.G4
- Gear-cutting machines
 - Mechanical movements: TJ187
- Gear wheels
 - Electric railways: TF949.G4
- Gearing
 - Aircraft engines: TL702.G4
 - Mechanical engineering: TJ184+
- Gelatin
 - Cooking: TX814.5.G4
 - Food values: TX556.G45
 - Organic chemical industries: TP965
- Gelatine relief processes
 - Photography: TR990+
- Gels
 - Engineering materials: TA418.9.G45
- Gem cutting: TS752.5
- Gemini project: TL789.8.U6G4
- Gems
 - Jewelry manufacture: TS747+
 - Mining: TN980+
- General Motors automobiles: TL215.G4
- General Packet Radio Service
 - Wireless communication systems: TK5103.482
- Generators: TK2411+
 - Aircraft: TL691.G4
 - Design and construction: TK2435
 - Details: TK2451+
 - Electrical details: TK2471+
 - Magnetic details: TK2461+
 - Mechanical details: TK2456+
 - Space vehicles: TL1102.G4
 - Testing: TK2433
 - Types: TK2441+
- Genetic engineering
 - Biotechnology: TP248.6
- Geneva mechanisms
 - Mechanical engineering: TJ181.7
- Geochemistry
 - Radioactive waste disposal: TD898.14.G46
- Geodesic domes
 - Building design and construction: TH2170.52
- Geodesy
 - Radar: TK6595.G4
- Geodetic satellites: TL798.G4
- Geographical applications
 - Applied photography: TR786+
- Geographical displays
 - Aeronautical instruments: TL589.35.G46
- Geographical subdivisions
 - Telegraph: TK5609+
- Geology
 - Radioactive waste disposal: TD898.14.G47
- Geology, Applied: TN260
- Geology, Economic: TN260
- Geology, Engineering: TA703+
- Geology of coal deposits
 - Coal mining: TN805+
- Geometric lathework: TT203
- Geometric methods
 - Engineering mathematics: TA347.G46
- Geometric programming
 - Industrial engineering: T57.825
- Geometrical diffraction
 - Seismic prospecting: TN269.83
- Geophysical surveying: TN269+
- Geosynthetic encased columns
 - Piles and pile-driving: TA788
- Geosynthetics
 - Engineering materials: TA455.G44
- Geotechnical engineering: TA703+
- Geothermal district heating of buildings: TH7416.5
- Geothermal engineering: TJ280.7
- Geothermal heating
 - Heating of buildings: TH7416+
- Geothermal power plants
 - Environmental effects: TD195.G46
- Geothermal space heating of buildings: TH7417
- Geothermal wells: TJ280.75.G46
- Germanium
 - Chemical technology: TP245.G5
 - Engineering materials: TA480.G4
 - Metallurgy: TN799.G4
 - Ore deposits and mining: TN490.G4
- Gift wrapping
 - Decorative crafts: TT871.5
- Gilding
 - Handicrafts: TT300+
 - Metal arts and crafts: TT382.8
 - Metal finishing: TS715
- Gimp: TR267.5.G56
 - Silk manufactures: TS1687
- Gin
 - Distilled liquors: TP607.G4
- Ginger
 - Cooking: TX819.G53
- Ginning
 - Cotton manufactures: TS1585

INDEX

- Girders
 - Bridge engineering: TG350+
 - Hoisting machinery: TJ1367
- Girders, Metal
 - Engineering and construction: TA492.G5
- Girders, Plate
 - Structural engineering: TA660.P59
- Girdles
 - Clothing manufacture: TT677
- Girls
 - Clothing: TT562
 - Handicrafts: TT171
 - Photographic portraits: TR681.G5
- Girls and boys, Projects for
 - Handicrafts: TT159+
- Glamour photography: TR678
- Glass
 - Chemical technology: TP785+
 - Electronics: TK7871.15.G5
 - Engineering materials: TA450
 - Fire testing: TH9446.5.G55
 - Insulating material: TK3441.G5
 - Motor vehicle construction materials: TL240.5.G56
 - Packaging materials: TS198.3.G5
 - Reinforced plastics: TP1177.5.G5
 - Waste disposal: TD799
- Glass and glassmaking: TP845+
- Glass-ceramic pipe
 - Glassware: TP867.3
- Glass construction
 - Building construction: TH1560
- Glass craft: TT298
- Glass engraving
 - Handicrafts: TT298
- Glass fiber: TS1549.G5
- Glass fiber industry
 - Waste control: TD899.G47
- Glass fibers
 - Glassmaking: TP860.5
- Glass flowers
 - Decorative arts: TT891.3
- Glass forming
 - Handicrafts: TT298
- Glass jars
 - Decorative crafts: TT896.9
- Glass manufacture
 - Energy conservation: TJ163.5.G55
 - Environmental effects: TD195.G57
- Glass objects
 - Glassmaking: TP865+
- Glass painting
 - Handicrafts: TT298
- Glass recycling
 - Glassmaking: TP859.7
- Glass shot peening
 - Manufactures: TS207.3.P44
- Glass trade
 - Fire prevention and extinction: TH9445.G54
- Glassblowing
 - Glassmaking: TP859
- Glassware
 - Glassmaking: TP865+
- Glazed brick
 - Brickmaking: TP832.G6
- Glazes
 - Ceramic decoration: TP823
 - Ceramic technology: TP812.A1+
 - Pottery craft: TT922
- Glazing
 - Building construction: TH8251+
- Gliders: TL760+
 - Design and construction: TL762
 - Equipment: TL766
 - Heavier-than-air craft: TL670.5
 - Launching: TL765
 - Operation: TL765
- Gliders, Model: TL774
- Gliding: TL760+
- Global Positioning System, Satellite component of the:
 - TL798.N3
- Global system for mobile communications: TK5103.483
- Glove boxes
 - Nuclear engineering: TK9151.7
- Gloves
 - Clothing manufacture: TT666
 - Manufactures: TS2160
- Glow lamps
 - Electric lighting: TK4382
- Glucose
 - Sugars and syrups: TP414
- Glucosides
 - Chemical technology: TP248.G6
- Glue
 - Aeronautics: TL699.G6
 - Organic chemical industries: TP967+
- Glutamate
 - Cooking: TX819.G55
- Glutamic acid
 - Chemical technology: TP248.G65
- Gluten
 - Cooking: TX809.G55
 - Food constituent: TX553.G47
- Glycerin
 - Organic chemical industries: TP973
- Glycoconjugates
 - Biotechnology: TP248.65.G49
- Glycols
 - Hazardous substance disposal: TD1066.G48
- Glyphosate
 - Water pollutants: TD427.G55
- Gmail (Electronic mail system): TK5105.74.G55
- Goat meat
 - Cooking: TX749.5.G63

INDEX

- Goffering machines: TJ1530
- Goggles for air pilots: TL697.G6
- Gold
 - Assaying: TN580.G6
 - Chemical technology: TP245.G6
 - Metallography: TN693.G6
 - Ore dressing and milling: TN538.G64
 - Prospecting: TN271.G6
- Gold and silver
 - Metallurgy: TN760+
 - Ore deposits and mining: TN410+
- Gold dredging: TN422
- Gold fiber: TS1549.G6
- Gold industry
 - Environmental effects: TD195.G64
 - Waste control: TD899.G63
- Gold mines and mining
 - Water pollution: TD428.G64
- Gold ore deposits and mining: TN420+
- Gold ores
 - Assaying: TN580.G6
- Gold pens
 - Stationery: TS1265
- Gold plating
 - Electroplating: TS678
- Gold thread
 - Embroidery: TT777
- Gold work
 - Manufactures: TS720+
- Golf carts: TL484
- Golf courses
 - Environmental effects: TD195.G66
- GoLive CyberStudio
 - Web authoring software: TK5105.8885.G64
- Google: TK5105.885.G66
- Google Chrome: TK5105.883.G66
- Gourd craft
 - Decorative crafts: TT873.5
- Government and industrial laboratories
 - Chemical technology: TP187+
- Government operation of airports: TL725.3.G6
- Government policy
 - Radioactive waste disposal: TD898.14.G68
- Governors
 - Building gas supply: TH6875
 - Diesel engines: TJ799
 - Machinery: TJ254
 - Machinery exclusive of prime movers: TJ1055
 - Steam engines: TJ550+
- Grades
 - Railway construction: TF243
- Grading
 - Dressmaking: TT520
 - Lumber: TS825
 - Men's tailoring: TT590
 - Production management: TS156.25
- Graf Zeppelin (Airship): TL659.G7
- Grain
 - Manufactures: TS2120+
 - Moisture: TS2149
- Grain elevators
 - Building construction: TH4461
 - Dust removal: TH7697.G67
 - Fire prevention and extinction: TH9445.G7
 - Noise control: TD893.6.G7
 - Photography: TR739.6
- Grain-handling machinery
 - Conveying machinery: TJ1415+
- Graining
 - Wood finishing: TT330
- Grandmothers
 - Photographic portraits: TR681.G73
- Granite: TN970
- Granite brick
 - Brickmaking: TP832.G7
- Granite plants
 - Dust removal: TH7697.G7
- Granola
 - Cooking: TX809.G7
- Granular flow
 - Applied fluid mechanics: TA357.5.G47
- Granulation
 - Biotechnology: TP248.25.G7
- Grape juice
 - Unfermented: TP560
- Grapefruit
 - Cooking: TX813.G73
- Grapes
 - Cooking: TX813.G74
 - Food values: TX558.G6
- Graphene
 - Engineering materials: TA455.G65
- Graphic analysis
 - Industrial engineering: T57.4
- Graphic methods
 - Engineering mathematics: TA337+
- Graphic statics
 - Bridge engineering: TG270
 - Machinery: TJ235
 - Structural engineering: TA640.6
- Graphics, Engineering: T351+
- Graphite
 - Engineering materials: TA455.G7
 - Industrial electrochemistry: TP261.G7
 - Mining engineering: TN845
 - Nuclear engineering: TK9185.2.G73
 - Prospecting: TN271.G7
- Grass heating
 - Convective heating: TH7458.G7
- Grass rugs
 - Floor covering: TS1779.G7
- Grass stoves
 - Convective heating: TH7458.G7

INDEX

- Grasswork
 - Decorative crafts: TT876.3
- Grate frames
 - Building construction: TH7433
- Grate heating with coal: TH7428+
- Grate shakers
 - Furnaces: TJ347
- Grates
 - Furnaces: TJ322+
 - Local heating: TH7429+
- Gratings
 - Building design and construction: TH2273
- Gravel
 - Composition roofing: TH2451
 - Engineering materials: TA455.G73
 - Mining engineering: TN939
 - Sidewalks: TE283
 - Unpaved roads: TE233
- Gravel industry
 - Dust removal: TH7697.S3
 - Environmental effects: TD195.S3
- Gravity
 - Mountain railways: TF686
- Gravity environments, Reduced
 - Applied fluid mechanics: TA357.5.R44
- Gravity systems
 - Low-pressure steam heating: TH7571
- Grease separators
 - Low-pressure steam heating: TH7578.G7, TH7578.V3
- Grease traps
 - Kitchen plumbing: TH6512
- Greek Americans
 - Nutrition: TX361.G74
- Green chemistry
 - Chemical engineering: TP155.2.E58
- Greenhouse gases
 - Air pollutants: TD885.5.G73
 - Chemical technology: TP244.G73
- Greens
 - Cooking: TX803.G74
- Greeting card craft
 - Decorative crafts: TT872
- Grillages
 - Structural engineering: TA660.G7
- Grilles
 - Building construction: TH8581+
- Grinding
 - Chemical technology: TP156.S5
 - Optical instruments: TS517
- Grinding tools
 - Machine shops: TJ1280+
- Grindstones
 - Abrading machinery: TJ1293
- Groats
 - Food values: TX558.G67
- Grooving machines
 - Machine shops: TJ1210
- Grotesque
 - Photography: TR686
- Ground control
 - Mining: TN288+
- Ground controlled approach
 - Aeronautical navigation equipment: TL696.L33
- Ground cushion
 - Aerodynamics: TL574.G7
- Ground effect
 - Aerodynamics: TL574.G7
- Ground penetrating radar: TK6592.G7
- Ground source heat pump systems: TH7417.5
- Ground-speed indicator
 - Aeronautical navigation: TL696.G7
- Ground support
 - Mining: TN288+
- Ground support systems
 - Astronautics: TL4000+
- Ground transportation
 - Astronautics: TL4050
- Grounding
 - Electric power: TK3227
- Groundwater
 - Petroleum geology: TN870.515
 - Pollution: TD426+
 - Recharge: TD765
 - Water supply: TD403+
- Groupers
 - Cooking: TX748.G74
- Grouting
 - Earthwork: TA755
- Guarapo
 - Fermented beverage: TP588.G8
- Guardrails
 - Railway construction: TF268
- Guava
 - Cooking: TX813.G83
- Guidance and control systems
 - Space vehicles: TL3025+
- Guidance systems
 - Aeronautical instruments: TL589.4+
 - Rockets: TL784.C63
 - Space vehicles: TL3250+
- Guideways
 - High speed ground transportation: TF1490
- Gum-biochromate
 - Photography: TR445
- Gum plastics: TP1180.G8
- Gums and resins
 - Organic chemical industries: TP977+
- Gums and resins industry
 - Waste control: TD899.G85
- Gums and resins, Synthetic
 - Aeronautics: TL699.G85
- Guncotton
 - Explosives: TP276
- Gunite: TA446

INDEX

Gunn diodes
Semiconductors: TK7871.89.G84
Gunn effect devices
Electronics: TK7872.G8
Gunpowder: TP272
Guns
Manufactures: TS532+
Gunsmithing: TS535+
Gunstocks
Gunsmithing: TS535.2.G8
Gutta-percha
Rubber industry: TS1930
Gutters
Building construction: TH2493
Guy anchors: TA777
Gypsies
Photographic portraits: TR681.G9
Gypsum
Engineering materials: TA455.G9
Mining engineering: TN946
Gypsum plasters
Decorative furnishings: TH8137.G8
Gypsum products
Chemical technology: TP888
Gypsum wallboard
Decorative furnishings: TH8139
Gyrators
Electronics: TK7872.G9
Gyropilot
Aeronautical instruments: TL589.5
Gyroscopes
Mechanical engineering: TJ209
Gyrotrons: TK7871.79.G95

H

Haddock
Cooking: TX748.H33
Hafnium
Nuclear engineering: TK9185.2.H33
Hail
Aeronautical meteorology: TL557.H3
Hair bleaching
Women: TT973
Hair conditioners: TP984
Hair preparations: TP984
Hair styles
Men: TT963
Hair tinting
Women: TT973
Haircutting: TT970
Hairdressing: TT950+
Hairdressing for women: TT972+
Hairpin lace: TT805.H34
Hairwork: TT975+
Halftone process
Photography: TR975

Halibut
Cooking: TX748.H35
Hall effect devices
Electronics: TK7872.H3
Halloween
Cooking: TX739.2.H34
Halloween decorations
Decorative crafts: TT900.H32
Haloysite
Mining engineering: TN948.H3
Halocarbons
Air pollutants: TD887.H3
Halogen lamps
Electric lighting: TK4359.H34
Halogen organic compounds
Environmental pollutants: TD196.H35
Halogenated hydrocarbons
Water pollutants: TD427.H93
Halogens
Chemical technology: TP248.H3
Ham
Cooking: TX749.5.H35
Hammer peening
Manufactures: TS207.3.P44
Hammers
Machine shops: TJ1201.H3
Hammers, Power
Machine shops: TJ1305+
Hammocks
Hand weaving: TT849.2
Hand cameras
Photography: TR260
Hand fire engines
Fire prevention and extinction: TH9374
Hand-made carpets
Textile arts: TT850
Hand-made rugs
Textile arts: TT850
Hand pumps
Fire extinction: TH9363
Hydraulic machinery: TJ903
Hand shears
Metal manufactures: TS381
Hand signals
Railway operation: TF625
Hand spinning
Textile arts: TT847
Hand stamps
Manufactures: TS1920
Hand weaving
Textile arts: TT848+
Hand-woven products
Wood products: TS913
Handbags
Clothing manufacture: TT667
Handcuffs
Locksmithing: TS531

INDEX

- Handguns
 - Manufactures: TS537
- Handicrafts: TT1+
- Handicrafts for girls: TT171
- Handling characteristics
 - Airplanes: TL671.4
 - Motor vehicle dynamics: TL245.5
- Handloading ammunition: TS538.3
- Handlooms
 - Hand weaving: TT848.5
- Handmade
 - Paper types: TS1124.5
- Handrail joinery
 - Building construction: TH5675+
- Handtools: TJ1195+
- Hangars
 - Airports: TL730+
- Hangers
 - Machinery: TJ1065
- Hanging burlap
 - Wall decoration: TH8471
- Hanukkah
 - Cooking: TX739.2.H35
- Hanukkah decorations
 - Decorative crafts: TT900.H34
- Harbor engineering: TC352+
- Harbors
 - Electric power: TK4035.H3
 - Hydraulic engineering: TC203+
- Hard-facing
 - Welding: TS227.3
- Hard materials
 - Hardness properties and tests: TA418.45
- Hard water: TD374
- Hardanger
 - Drawnwork: TT787
- Hardness
 - Water quality: TD374
- Hardness properties and tests: TA418.42
- Hardware
 - Metal manufactures: TS399.2+
- Hardware description languages
 - Electronics: TK7885.7
- Hardwoods
 - Woodpulp industry: TS1176.4.H3
- Harley-Davidson motorcycle: TL448.H3
- Harmful environments, Packaging for protection from:
 - TS198.7+
- Harness
 - Leather industries: TS1030+
- Harness hardware
 - Manufactures: TS1035
- Harrows
 - Agricultural machinery: TJ1482
- Harvesters
 - Agricultural machinery: TJ1485
- Hasselblad camera
 - Photography: TR263.H3
- Hatchways
 - Building construction: TH2491
- Hats
 - Manufactures: TS2180+
- Hauling tests
 - Highway engineering: TE450
- Hay
 - Food values: TX558.H2
- Hayboxes
 - Cooking: TX831
- Hazardous substances
 - Disposal: TD1020+
 - Fire prevention and extinction: TH9446.H38
 - Industrial safety: T55.3.H3
 - Soil pollutants: TD879.H38
 - Water pollutants: TD427.H3
- Hazardous waste management industry
 - Environmental effects: TD195.H39
- Hazardous waste sites: TD1052
- Hazardous waste treatment facilities: TD1054
- Hazardous wastes
 - Sewage disposal: TD758.5.H39
 - Soil pollutants: TD879.H38
- Hazelnuts
 - Cooking: TX814.2.H39
 - Food processing and manufacture: TP439.5.H39
- Head resistance
 - Aerodynamics: TL574.D7
- Head-up displays
 - Aeronautical instruments: TL589.35.H42
- Headlights
 - Electric railways: TF940
 - Locomotives: TJ668
- Headphones
 - Electroacoustics: TK5983.5
- Health
 - Motor vehicle drivers: TL152.3+
- Health facilities
 - Fire prevention and extinction: TH9445.H7
- Health monitoring
 - Structural analysis: TA656.6
- Heap leaching
 - Hydrometallurgy: TN688.3.H4
- Hearses: TL235.8
- Heat
 - Environmental pollutants: TD196.H4
 - Mechanical engineering: TJ260
 - Power source: TJ260
- Heat engineering: TJ255+
- Heat engines: TJ255+
 - Theory: TJ265
- Heat exchangers: TJ263+
 - Ventilation of buildings: TH7683.H42
- Heat pipes: TJ264
 - Airplanes: TL697.H4

INDEX

- Heat pollution
 - Water pollutants: TD427.H4
- Heat pump systems
 - Central heating: TH7638
- Heat pumps
 - Mechanical engineering: TJ262
- Heat resistant alloys
 - Engineering materials: TA485
 - Metallurgy: TN700
 - Powder metallurgy: TN697.H4
- Heat resistant materials: TA418.26
- Heat resistant metals
 - Metallography: TN693.H4
- Heat resistant steel
 - Engineering and construction: TA479.H43
- Heat sinks
 - Electronics: TK7872.H4
- Heat transfer media
 - Chemical technology: TP159.H4
- Heat transmission
 - Petroleum pipelines: TN879.57
- Heat transmission through boiler tubes: TJ297
- Heat treatment
 - Metallurgy: TN758.3
 - Steel metallurgy: TN751+
- Heat treatment of metals: TN672
- Heat utilization, Waste
 - Municipal refuse: TD796.2
- Heating
 - Airplanes: TL681.H4
 - Buildings: TH7201+
 - Chemical technology: TP363
 - Prisons: TH7392.P8
 - Railway equipment: TF445+
 - Transportation engineering: TA1280
- Heating and ventilation
 - Building construction: TH7005+
 - Motor vehicles: TL271+
- Heating engineering
 - Building construction: TH7121+
- Heating equipment
 - Fire prevention and extinction: TH9445.H4
- Heating from central stations
 - Building construction: TH7641+
- Heating, Local
 - Heating and ventilation: TH7418+
- Heating mains
 - Building construction: TH7643
- Heating of metals
 - Manufactures: TS209
- Heating pipes
 - Building construction: TH7643
- Heating plants
 - Air pollution: TD888.H43
 - Energy conservation: TJ163.5.H4
- Heating regenerators
 - Jet engines: TL709.5.H42
- Heating systems
 - Hot water supply plumbing: TH6552+
- Heavier-than-air craft: TL669+
- Heavy elements
 - Environmental pollutants: TD196.H43
- Heavy metals
 - Air pollutants: TD887.H4
 - Assaying: TN580.H43
 - Effect on food: TX572.H4
 - Environmental pollutants: TD196.M4
 - Sewage disposal: TD758.5.H43
 - Soil pollutants: TD879.H4
 - Water pollutants: TD427.M44
- Heavy minerals
 - Prospecting: TN271.H43
- Heavy water reactors
 - Nuclear engineering: TK9203.H4
- Hedebo embroidery: TT778.H43
- Height indicator
 - Aeronautical navigation: TL696.H4
- Heights
 - Industrial safety: T55.3.H45
- Helical gears
 - Mechanical movements: TJ192
- Helicopters: TL716+
- Heliogravure
 - Photography: TR980
- Heliotype
 - Photography: TR937
- Heliports: TL725.5
- Helium
 - Chemical technology: TP245.H4
 - Lighter-than-air craft fuel: TL666
- Helium in natural gas: TN883
- Hell Gate
 - Hydraulic engineering: TC192
- Helmet-mounted displays
 - Aeronautical instruments: TL589.35.H44
- Helmets
 - Aeronautics: TL697.H44
 - Plastic: TP1185.H4
- Helmets, Safety
 - Industrial safety: T55.3.S23
- Hematite
 - Ore deposits and mining: TN402.H4
- Hemp
 - Cooking: TX814.5.H45
 - Paper manufacture: TS1109
 - Textile fiber: TS1544.H4
- Hemp industry: TS1700+
- Hemp seed oil
 - Chemical technology: TP684.H46
- Herbicides
 - Chemical technology: TP248.H36
 - Environmental pollutants: TD196.H47
 - Soil pollutants: TD879.H47
 - Water pollutants: TD427.H46

INDEX

- Herbs
 - Cooking: TX819.H4
- Hermes (Artificial satellite): TK5104.2.H46
- Herring
 - Cooking: TX748.H45
- Heuristic programming
 - Industrial engineering: T57.84
- Hexachlorethane
 - Chemical technology: TP248.H4
- Hexane
 - Air pollutants: TD887.H46
- Hexazinone
 - Water pollutants: TD427.H49
- Hexone
 - Chemical technology: TP248.H43
- Hexylene glycol
 - Air pollutants: TD887.H48
- Hides
 - Leather industries: TS967
- Hierarchical routing
 - Computer networks: TK5105.54873.H54
- High altitude platform systems: TK7871.67.H54
- High altitudes
 - Industrial safety: T55.3.H45
- High definition television: TK6679
- High definition video recording: TR862
- High dynamic range imaging
 - Photography: TR594
- High energy forming
 - Metal manufactures: TS256
- High fidelity systems
 - Amateurs' manuals: TK9968
 - Electronics: TK7881.7
- High gravity
 - Testing of materials: TA417.7.H53
- High performance liquid chromatography
 - Biotechnology: TP248.25.H54
- High power lasers
 - Applied optics: TA1695.5
- High pressure
 - Biotechnology: TP248.25.H56
 - Food preservation: TP371.75
- High-pressure hot water heating (with coil boilers): TH7530+
- High school buildings
 - Environmental effects: TD195.S33
- High school students
 - Nutrition: TX361.H53
- High solids coatings
 - Chemical technology: TP945
- High-speed aeronautics: TL551.5
- High speed ground transportation
 - Railroad engineering: TF1300+
- High-speed photography: TR593
- High speed telegraph system: TK5523
- High technology industries
 - Environmental effects: TD195.H54
- High temperature
 - Testing of materials: TA417.7.H55
- High tension A.C.
 - Dynamolectric machinery: TK2828
- High tension A.C. systems
 - Electrical engineering: TK3144
- High voltage photography: TR760
- Highway bridges: TG425
- Highway design: TE175
- Highway engineering: TE1+
- Highway engineering management: TE195
- Highway research: TE192
- Hindenberg (Airship): TL659.H5
- Hinges
 - Cement and concrete construction: TA682.3
- Hiring a contractor
 - House construction: TH4815.4
- Hispanic Americans
 - Nutrition: TX361.H57
- Hispano-Suiza aircraft engines: TL703.H5
- Historic buildings
 - Fire prevention and extinction: TH9445.M8
- Historic documents
 - Photography: TR825
- Hmong Americans
 - Nutrition: TX361.H62
- Hoffman's kiln: TP842.H7
- Hoisting machinery
 - Electric driving: TK4059.H64
 - Electric power: TK4035.H6
 - Internal combustion engines: TJ793.3
 - Mechanical engineering: TJ1350+
- Hoists
 - Hoisting machinery: TJ1383
 - Mine transportation: TN339+
- Holding patterns
 - Airplanes: TL711.H65
- Holidays
 - Cooking: TX739+
 - Decorations: TT900.H6
- Hollow brick
 - Brickmaking: TP832.H7
- Hollow earthenware
 - Fire-resistive building construction: TH1083
- Holographic interferometry: TA1555
- Holographic testing
 - Testing of materials: TA417.45
- Holography, Acoustic: TA1550
- Holography, Applied: TA1540+
- Holography, Microwave: TA1552
- Holsters
 - Gunsmithing: TS535.2.H64
- Home accidents and their prevention: TX150
- Home arts
 - Handicrafts: TT697+
- Home arts for women: TT697+

INDEX

- Home automation
 - Electronics: TK7881.25
- Home-built motorcycles: TL442.7
- Home carpentry
 - Building construction: TH5607
- Home computer networks: TK5105.75
- Home earth stations
 - Amateurs' manuals: TK9962
- Home economics: TX1+
 - Elementary education: TX1+
 - Secondary education: TX1+
- Home economics as a profession: TX164
- Home educators
 - Technology: T47
- Home entertainment systems
 - Electronics: TK7881.3
- Home furnishings in metal: TT213
- Home video photography: TR896+
- Home video systems
 - Amateurs' manuals: TK9961
- Homecrafts: TT697+
- Homeless persons
 - Nutrition: TX361.H65
 - Photographic portraits: TR681.H63
- Homes
 - Air conditioning: TH7688.H6
- HomeSite
 - Web authoring software: TK5105.8885.H65
- Homosexuals
 - Photographic portraits: TR681.H65
- Honda motor scooters: TL453.H66
- Honda motorcycle: TL448.H6
- Honey
 - Cooking: TX767.H7
 - Food values: TX560.H7
- Honeycomb structure
 - Structural engineering: TA660.H66
- Hook and ladder trucks
 - Fire prevention and extinction: TH9383
- Hooke's coupling: TJ183
- Hooking
 - Hand-made carpets: TT850
 - Hand-made rugs: TT850
- Hooks
 - Engineering forms: TA492.H6
- Hops
 - Brewing and malting: TP585
 - Cooking: TX814.5.H66
- Horizontal well drilling
 - Petroleum engineering: TN871.25
- Horn, Articles of
 - Manufactures: TS1050
- Horn craft: TT288
- Hors d'oeuvres
 - Recipes: TX740
- Horse racetracks
 - Environmental effects: TD195.R26
- Horse railroads
 - Railroad antiquities: TF16
- Horse railways
 - Municipal railways: TF830
- Horsehair
 - Textile fiber: TS1548.H6
 - Textile industry: TS1747.H6
- Horsemeat
 - Cooking: TX749.5.H67
 - Food values: TX556.H8
- Horses
 - Nature photography: TR729.H6
- Hose carts
 - Fire prevention and extinction: TH9379
- Hose, Fire
 - Fire extinction: TH9380
- Hose industry
 - Manufactures: TS2301.H7
- Hosiery
 - Clothing manufacture: TT679+
- Hospitality industry: TX901+
- Hospitals
 - Building construction: TH4661
 - Fire prevention and extinction: TH9445.H7
 - Sanitary engineering: TD195.H66
- Hostesses
 - Hotels, clubs, restaurants, etc.: TX930
- Hot air balloons: TL638
- Hot-air engines: TJ765
- Hot blast
 - Blast furnaces: TN715
- Hot peppers
 - Cooking: TX819.H66
 - Nutrition: TX401.2.P47
- Hot potato routing
 - Computer networks: TK5105.54873.H68
- Hot rods: TL236.3
- Hot tubs
 - Plumbing: TH6501
- Hot water fixtures of buildings: TH7511+
- Hot water heating of buildings: TH7511+
- Hot water rockets: TL783.8
- Hot water supply
 - Building construction: TH6551+
- Hot water supply systems
 - Plumbing: TH6567
- Hot water tanks
 - Plumbing: TH6564
- Hot weather conditions
 - Cement and concrete construction: TA682.48
- Hot weather cooking: TX829
- Hot working of metals
 - Manufactures: TS209.5
- Hotels: TX901+
 - Business mathematics: TX911.3.M33
 - Electric lighting: TK4399.H7
 - Energy conservation: TJ163.5.H67

INDEX

- Hotels
 - Environmental effects: TD195.H67
 - Fire prevention and extinction: TH9445.H75
 - Plumbing: TH6515.H8
 - Waste control: TD899.H65
- House
 - Home economics: TX301+
- House buyers' guides
 - Technical aspects: TH4817.5
- House construction contracting: TH4815.4
- House drain
 - Plumbing: TH6642+
- House drainage
 - Plumbing: TH6571+
- House framing
 - Building construction: TH2301+
- House numbers
 - Painting: TT365
- House painting: TT320+
- House sewer
 - Plumbing: TH6641
- House wiring
 - Electric power: TK3285
- Household accounts: TX326.A1+
- Household apparatus: TX298+
- Household appliances
 - Waste disposal: TD799.7
- Household batteries
 - Waste disposal: TD799.8
- Household bookkeeping: TX326.A1+
- Household budgets: TX326.A1+
- Household economics: TX151+
- Household employees
 - Home economics: TX331+
- Household finance: TX326.A1+
- Household moving: TX307
- Household pests: TX325
- Household plumbing
 - Building construction: TH6101+
- Household science
 - Home economics: TX149
- Household utensils: TX298+
- Housekeeping
 - Hotels, clubs, restaurants, etc.: TX928
 - Taverns, barrooms, saloons: TX952+
- Houses
 - Building construction: TH4805+
- Housing developments
 - Building operation and housekeeping: TX960
- Housing for older people
 - Fire prevention: TH9445.A4
- Hovering
 - Aeronautics: TL577
- How to invent
 - Patents: T212
- HTTP
 - Computer network protocols: TK5105.5667
- Hub
 - Aircraft propellers: TL707.H8
- Huckaback
 - Embroidery: TT778.H83
- Huckleberries
 - Cooking: TX813.H83
- Hulls
 - Seaplanes: TL684.2
- Human engineering: TA166+
 - Aeronautics: TL553.6
 - Space environment: TL1500+
- Human engineering in design
 - Motor vehicles: TL250
- Human engineering in industry: T59.7+
- Human environment equipment and testing
 - Space environment: TL1500+
- Human face recognition: TA1653
- Human factors
 - Mechanical engineering: TJ211.49
 - Nuclear engineering: TK9152.14
- Human figure
 - Artistic photography: TR674+
- Human-machine systems: TA167
- Human powered aircraft: TL769
- Humanitarian use of airplanes: TL722.8
- Humidity control
 - Air conditioning: TH7687.8
- Humorous photography: TR679.5
- Humus
 - Water pollutants: TD427.H85
- Hungarian Jewish style cooking: TX724.2.H86
- Hunting fields
 - Alternating-current machinery: TK2715
- Hybrid cars: TL221.15
- Hybrid propellant rockets: TL783.45
- Hybrid vehicles: TL221.15
- Hydrate process
 - Saline water conversion: TD480.3
- Hydrates in natural gas: TN884
- Hydraulic brakes: TJ880
- Hydraulic elevators: TJ1375
- Hydraulic engineering: TC1+
 - Environmental effects: TD195.H93
- Hydraulic equipment
 - Airplanes: TL697.H9
- Hydraulic filling
 - Earthwork: TA750
- Hydraulic fluids: TJ844
 - Fire prevention and extinction: TH9446.H9
- Hydraulic fracturing
 - Petroleum engineering: TN871.255
- Hydraulic instruments: TC177
- Hydraulic jack
 - Lifting machinery: TJ1435
- Hydraulic laboratories: TC158
- Hydraulic machinery: TJ836+
- Hydraulic measurements: TC177

INDEX

- Hydraulic mining: TN278
 - Gold mining: TN421
- Hydraulic models: TC164+
- Hydraulic motors: TJ855+
- Hydraulic power plants
 - Hydraulic engineering: TC147
 - Mechanical engineering: TJ845+
- Hydraulic presses
 - Lifting machinery: TJ1460
- Hydraulic rams: TJ905
- Hydraulic structures: TC180
 - Earthquake effects: TC181
 - Electric power: TK4035.H9
- Hydraulic surveying
 - Engineering: TA623
- Hydraulics, Environmental: TC163.5
- Hydrazine
 - Chemical technology: TP248.H85
- Hydrocarbons
 - Air pollutants: TD887.H93
 - Chemical technology: TP248.H9
 - Explosives: TP290.H9
 - Metallurgy: TN845+
 - Petroleum products: TP692.4.H9
 - Refrigerants: TP492.82.H93
 - Water pollutants: TD427.H93
- Hydrocarbons, Halogenated
 - Water pollutants: TD427.H93
- Hydrocarbons, Polycyclic aromatic
 - Water pollutants: TD427.H93
- Hydrochloric acid
 - Chemical technology: TP217.H8
- Hydrochloric acid plants
 - Air pollution: TD888.H9
- Hydrocolloids
 - Food additives: TP456.H93
 - Gums and resins: TP979.5.H93
- Hydrocyanic acid
 - Chemical technology: TP217.H9
- Hydrodynamic lubrication
 - Mechanical engineering: TJ1073.5
- Hydrodynamics
 - Hydraulic engineering: TC171+
 - Turbomachinery: TJ267
- Hydroelectric power production: TK1081+
- Hydrofluoric acid: TP217.H94
- Hydrogen
 - Biotechnology: TP248.65.H9
 - Chemical technology: TP245.H9
 - Fire prevention and extinction: TH9446.H96
 - Fuel: TP359.H8
 - Industrial electrochemistry: TP261.H9
 - Lighter-than-air craft fuel: TL666
- Hydrogen automobiles: TL229.H9
- Hydrogen-ion concentration
 - Chemical engineering: TP156.H78
- Hydrogen sulfide
 - Air pollutants: TD885.5.H9
- Hydrogenation
 - Chemical engineering: TP156.H8
 - Petroleum refining: TP690.45
- Hydrolases
 - Biotechnology: TP248.65.H93
- Hydrolysis
 - Chemical engineering: TP156.H82
- Hydrometallurgy: TN688+
- Hydronic systems
 - Building construction: TH7467+
- Hydrophones
 - Electroacoustics: TK5987
- Hydrostatic lubrication
 - Mechanical engineering: TJ1073.5
- Hydrostatics
 - Hydraulic engineering: TC165+
- Hydroxylation
 - Chemical engineering: TP156.H85
- Hygienic shoes
 - Boot and shoemaking: TS1015
- Hyperboloid structures
 - Structural engineering: TA660.H97
- Hypereutectic alloys
 - Engineering and construction: TA483.3
- Hypersonic aerodynamics: TL571.5
- Hypersonic planes: TL683.5
- Hypochlorite treatment
 - Water purification: TD463
- Hypochlorites
 - Environmental pollutants: TD196.H94
- Hypoeutectic alloys
 - Engineering and construction: TA483.3

I

- I-Beams, Steel-wood
 - Structural engineering: TA660.S67
- IBM Personal Computer: TK7889.I26
- IBM Token-Ring Network: TK5105.8.I24
- Ice bridges
 - Highway engineering: TE247
- Ice building construction: TH1431
- Ice control
 - Streets: TD868+
- Ice cream sandwiches: TX796.I45
- Ice cream scoops
 - Cooking: TX657.I24
- Ice creams and ices
 - Cooking: TX795.A1+
- Ice crossings
 - Highway engineering: TE247
- Ice cutting and storage: TP498
- Ice loads
 - Structural analysis: TA654.4
- Ice mechanics: TA714.5

INDEX

- Ice pops: TX796.I46
- Ice prevention
 - Aeronautical meteorology: TL557.I3
- Ice roads
 - Highway engineering: TE247
- Icehouses (Commercial)
 - Building construction: TH4481
- Icemaking
 - Chemical technology: TP490+
- ICES
 - Computer-aided engineering: TA345.5.I2
- Identification
 - Aircraft communication equipment: TL694.I4
 - Radio frequencies: TK6570.I34
- Identification marks
 - Aircraft: TL603
- Identification symbols
 - Aircraft: TL603
- IEEE 802.11
 - Computer network protocols: TK5105.5668
- IFF
 - Aircraft communication equipment: TL694.I4
- Ignition
 - Internal combustion engines: TJ787+
- Ignition devices
 - Aircraft engines: TL702.I5
 - Building gas supply: TH6885+
 - Gasoline automobiles: TL213
 - Motor vehicles: TL272
- Illiac computer: TK7889.I5
- ILLINET: TK5105.8.I44
- Illuminating industries (Nonelectric): TP700+
- Illumination
 - Building construction: TH7700+
- Illustration, Technical: T11.8
- Image compression: TA1638
- Image converters and intensifiers
 - Electronics: TK8316
- Image encryption
 - Optical data processing: TA1636
- Image processing
 - Optical data processing: TA1637+, TA1637
- Image science
 - Photography: TR222
- Image segmentation: TA1638.4
- Image stabilization
 - Applied optics: TA1655
- Image steganography
 - Optical data processing: TA1636
- Image transmission
 - Electrical engineering: TK5105.2
- Imaginary voyages
 - Astronautics: TL788.7
- Imaging systems
 - Electronics: TK8315+
- Imhof tanks
 - Sewage purification: TD750
- Imitation leathers
 - Manufactures: TS1045+
- Immigrants
 - Photographic portraits: TR681.I54
- Immobilized cell processes
 - Biotechnology: TP248.25.I55
- Immobilized enzymes
 - Biotechnology: TP248.65.I45
- Immobilized proteins
 - Biotechnology: TP248.65.I47
- Immunoassay
 - Food analysis: TX549
- Immunoglobulins
 - Biotechnology: TP248.65.I49
- Impact loading
 - Structural analysis: TA654.2
- Impact strength
 - Time-dependent properties and tests: TA418.34
- Impedance meters and measurements
 - Electric meters: TK315
- Impellers
 - Turbines: TJ267.5.I6
- Impregnated wood
 - Fire-resistive building construction: TH1073
- Improved passenger train (IPT)
 - High speed ground transportation: TF1540
- Impurities
 - Food: TX562.2+
- In-plant transportation
 - Materials handling: TS180.6+
- In situ processing (Mining): TN278.3
- In situ remediation
 - Environmental pollution: TD192.8
- Incandescent electric lighting: TK4341+
- Incandescent gas lighting
 - Building construction: TH7953+
- Incandescent lamps: TK4351+
 - Tests of efficiency: TK4367
- Incineration
 - Environmental effects: TD195.I52
 - Hazardous substance disposal: TD1062
 - Industrial and factory wastes: TD897.843
 - Municipal refuse: TD796+
 - Radioactive waste disposal: TD898.175
 - Sewage disposal: TD770+
- Incinerators
 - Municipal refuse: TD796+
 - Waste disposal: TD803
- Inclined planes
 - Lifting machinery: TJ1428
- Indene resins
 - Plastics: TP1180.I5
- Independent furnaces
 - Hydronic systems: TH7475
- Indexing tables
 - Machine tools: TJ1185.5
- Indian motorcycle: TL448.I5

INDEX

- Indian Ocean submarine telegraph: TK5615
- Indicators
 - Radar: TK6590.I5
 - Steam engines: TJ478
- Indicators, Technology: T174.2
- Indigenous peoples
 - Photographic portraits: TR681.I58
- Indigo
 - Dyes: TP923+
- Indirect radiators
 - Hydronic systems: TH7492+
- Indium
 - Chemical technology: TP245.I5
 - Engineering materials: TA480.I53
 - Metallurgy: TN799.I5
 - Mining and metallurgy: TN490.I6
- Indium arsenide
 - Electronics: TK7871.15.I52
- Indium phosphide
 - Electronics: TK7871.15.I53
- Indoor air pollution: TD883.17
- Indoor air quality: TD883.17
- Indoor positioning systems
 - Wireless communication systems: TK5103.48323
- Indoor wiring: TK3271+
- Induction
 - Alternating-current motors: TK2785
- Induction hardening
 - Steel metallurgy: TN752.I5
- Induction logging: TN269.55
- Induction telegraph systems: TK5550
- Inductors
 - Electronics: TK7872.I63
- Induline
 - Textile dyes: TP918.I5
- Industrial accident prevention: T55+
- Industrial accidents and biorhythms
 - Industrial safety: T55.3.B56
- Industrial archaeology
 - Technology: T37
- Industrial arts training
 - Handicrafts: TT161+
- Industrial buildings
 - Heating and ventilation: TH7392.I53
 - Plant engineering: TS186
 - Sanitary engineering: TH6057.I53
- Industrial cinematography
 - Photography: TR894
- Industrial design
 - Product engineering: TS171+
- Industrial design coordination
 - Patents: T342
- Industrial design study and teaching: TS171.44
- Industrial directories: T11.95+
- Industrial districts
 - Environmental effects: TD195.I54
- Industrial ecology
 - Inventory control: TS161
- Industrial education
 - Secondary education: T61+
- Industrial electrochemistry: TP250+
 - Environmental effects: TD195.E43
- Industrial electronics: TK7881
- Industrial engineering: T55.4+
- Industrial engineers: T56.3
- Industrial fabrics
 - Manufactures: TS1770.I53
- Industrial feeding
 - Food service: TX946.5.A1+
- Industrial furnaces
 - Heating engineering: TH7140+
- Industrial heating
 - Building construction: TH7121+
- Industrial instrumentation: TA165
- Industrial landscape architecture
 - Plant grounds: TS190.5
- Industrial painting
 - Handicrafts: TT300+
- Industrial photochemistry: TP249.5
- Industrial photography: TR706
- Industrial plants
 - Building construction: TH4511+
- Industrial power trucks: TL296
- Industrial radiation chemistry: TP249
- Industrial radiochemistry: TP249
- Industrial railways: TF677
- Industrial reproduction
 - Photography: TR900+
- Industrial research: T175+
- Industrial robots: TS191.8
- Industrial safety: T55+
- Industrial sanitation: TD895+
- Industrial vehicles and trucks: TL223
- Industrial wastes: TD896+
- Industrial water supply: TD201+
- Industrial weaving
 - Manufactures: TS1490+
- Industrial woodworking
 - Manufactures: TS840+
- Industrialized building
 - Building construction: TH1000
- Industries
 - Environmental effects: TD194+
- Industry and meteorology: TA198
- Indy cars: TL236.25
- Inelastic properties and tests: TA418.14+
- Inertial navigation
 - Air navigation: TL588.5
- Inertial navigation systems
 - Space vehicles: TL3252
- Inertial separation
 - Dust removal: TH7695.I52

INDEX

- Infants
 - Photographic portraits: TR681.I6
- Inflammable gases
 - Fire prevention and extinction: TH9446.I475
- Inflammable liquids
 - Chemical technology: TP361
 - Fire prevention and extinction: TH9446.I5
- Inflammable materials
 - Fire prevention and extinction: TH9446.I47+
- Inflation machinery
 - Lighter-than-air craft: TL666
- Influence lines
 - Structural engineering: TA640.8
- Influence of altitude
 - Aircraft engines: TL701.2
- Information centers
 - Mechanical engineering: TJ160.5
 - Technology: T10.6
- Information display systems
 - Electrical engineering: TK5103.5
 - Electronics: TK7882.I6
- Information modeling
 - Building construction: TH438.13
- Information services
 - Aeronautics: TL564
 - Building construction: TH216
 - Environmental protection: TD169.5
 - Metallurgy: TN675.4
 - Textile industries: TS1474
 - Water supply: TD211
- Information systems
 - Industrial technology: T58.5+
- Information technology
 - Industrial engineering: T58.5+
- Infrared detectors: TA1573
- Infrared examinations
 - Testing of materials: TA417.5
- Infrared heating
 - Electric heating: TK4635
- Infrared lasers
 - Applied optics: TA1696
- Infrared photography: TR755
- Infrared sensors: TA1573
- Infrared spectroscopy
 - Food analysis: TX547.2.I53
- Infrared technology
 - Applied optics: TA1570+
- Ingenious mechanisms
 - Mechanical engineering: TJ210.2+
- Inhomogeneous materials
 - Engineering materials: TA418.9.I53
- Injection blow molding
 - Plastics: TP1151.I55
- Injectors
 - Steam boilers: TJ387
- Ink impression
 - Telegraph: TK5546
- Ink manufacture
 - Chemical technology: TP946+
- Inking receiving systems and instruments
 - Telegraph: TK5546
- Inks for recording instruments: TP949.95
- Inland navigation
 - Hydraulic engineering: TC601+
- Inlets for air
 - Jet engines: TL709.5.I5
- Innovations, Technological: T173.8
- Inorganic chemicals
 - Chemical technology: TP213+
- Inorganic compounds
 - Air pollutants: TD887.I56
 - Soil pollutants: TD879.I55
 - Water pollutants: TD427.I55
- Inorganic fibers
 - Testile fibers: TS1549.A1+
- Input-output equipment
 - Computer engineering: TK7887.5+
- INSAT (Artificial satellite): TK5104.2.I25
- Insect cell biotechnology: TP248.27.I56
- Insect pests in wood: TA423.6+
- Insect-resistant packaging: TS198.I58
- Insect waxes
 - Chemical technology: TP677+
- Insecticides
 - Chemical technology: TP248.I57
 - Fire prevention and extinction: TH9446.I55
- Insects
 - Cooking: TX746
 - Nature photography: TR729.I6
 - Nutrition: TX388.I5
- Inserts
 - Reinforced concrete construction: TA683.45
- Insignia
 - Aeronautics: TL538
- Insignia industry: TS2301.I6
- Inspection
 - Aeronautical navigation equipment: TL696.I5
 - Aircraft communication equipment: TL694.I5
 - Aircraft engines: TL701.5
 - Airplanes: TL671.7
 - Fire prevention and extinction: TH9176
 - Heating of buildings: TH7339
 - Locomotives: TJ685+
 - Lumber: TS825
 - Nuclear engineering: TK9152.15, TK9152.16
 - Plumbing: TH6239
 - Production management: TS156.2+
 - Railway equipment: TF361
 - Railway operation: TF537
 - Sewers: TD719
 - Steam boilers: TJ298
- Inspection of workmanship
 - Management of engineering works: TA191

INDEX

- Inspectors' manuals
 - Telegraph wiring: TK5445
 - Telephone wiring: TK6345
- Instagram: TR267.5.I57
- Installation
 - Aircraft engines: TL701.4
 - Electric lighting: TK4255
 - Industrial equipment: TS191.3
- Instant photography: TR269
- Instantaneous photography: TR592
- Institutional cooking: TX820
- Instrument board
 - Airplanes: TL681.I6
- Instrument flying
 - Airplanes: TL711.B6
- Instrument landing systems
 - Aeronautical navigation equipment: TL696.L33
- Instrument manufacture: TS500+
- Instruments
 - Aeronautical engineering: TL589+
 - Aeronautical research: TL567.I6
 - Fermentation industries: TP517
 - Nuclear engineering: TK9178+
 - Photogrammetry: TR696
 - Surveying: TA562+
 - Telegraph: TK5571+
 - Telegraphing: TK5501+
- Instruments for transmitting sound
 - Telephone: TK6401+
- Insulated wires
 - Electric power: TK3331+
 - Testing: TK3335
- Insulating material
 - Electric power: TK3401+
 - Testing: TK3431
- Insulating materials
 - Building construction: TH1715+
- Insulation
 - Building construction: TH1715+
 - Electric power: TK3401+
 - Petroleum pipelines: TN879.57
- Insulators
 - Space vehicles: TL1102.I57
- Intaglio process
 - Photography: TR980
- Intakes for air
 - Jet engines: TL709.5.I5
- Integral equations
 - Engineering mathematics: TA347.I5
- Integrated circuit layout: TK7874.55
- Integrated circuits
 - Amateurs' manuals: TK9966
 - Electronics: TK7874+
- Integrated circuits, Three-dimensional: TK7874.893
- Integrated optics
 - Applied optics: TA1660
- Integrated services digital networks
 - Telecommunication: TK5103.75
- Integrated solid waste management: TD794.2
 - Local: TD788+
- Intelligent control systems
 - Mechanical engineering: TJ217.5
- Intelligent sensors
 - Electronics: TK7871.676
- Intelligent transportation systems
 - Highway engineeri: TE228.3+
- Intensification
 - Photographic negatives: TR299
 - Photographic positives: TR335
- Intensity meters and measurements
 - Electrical engineering: TK331
- Interactive television: TK6679.3
- Interactive video
 - Electronics: TK6687
- Intercepting other aircraft: TL711.I47
- Intercepting sewers: TD711
- Interchanges
 - Highway engineering: TE176+
- Intercommunication systems
 - Electronics: TK7881.5
- Interconnection of power systems
 - Electrical engineering: TK447+
- Interconnects
 - Microelectronics: TK7874.53
- Interface circuits
 - Electronic circuits: TK7868.I58
- Interference
 - Aerodynamics: TL574.I5
 - Aircraft communication equipment: TL694.I6
 - Aircraft propellers: TL706.I6
 - Photographic processing: TR525
- Interferometry, Holographic: TA1555
- Interior decoration
 - Passenger planes: TL685.5.I6
- Interior painting: TT323
- Interior walls
 - Building design and construction: TH2239
- Interior wiring: TK3271+
- Interiors
 - Photographic lighting: TR620
- Interlocking systems
 - Railway operation: TF635
- Intermittent-motion mechanisms
 - Mechanical engineering: TJ181.6
- Internal combustion engines: TJ782+
- Internal gears
 - Mechanical movements: TJ202
- International Business Machines Corporation: TK4101.I5
- International Civil Aviation Organization: TL500.5
- International cooperation
 - Astronautics: TL788.4
 - Industrial engineering education: T65.3
 - Radioactive waste disposal: TD898.14.I57

INDEX

- International cooperation
 - Technology: T49.5
- Internet
 - Chemical engineering: TP186.8
 - Engineering: TA158.7
 - Handicrafts: TT11
 - Motor vehicles: TL11
 - Photography: TR11
- Internet access: TK5105.8855
- Internet (Computer network): TK5105.875.I57
 - Aspects or services: TK5105.8762+
- Internet governance: TK5105.8854
- Internet of things: TK5105.8857
- Internet Relay Chat: TK5105.886
- Internet telephony: TK5105.8865
- Internet videos: TK5105.8867+
- Intersections
 - Highway engineering: TE176+
- Interurban cars
 - Electric railways: TF920+
- Interurban railways: TF701+
- Intra-airport transportation: TL725.3.I6
- Intranets (Computer networks)
 - Electronics: TK5105.875.I6
- Inventions
 - History: T14.7+
 - Patents: T212
- Inventors
 - Biography: T39+
 - Patents: T212
- Inventors' manuals: T339
- Inventory control
 - Hotels, clubs, restaurants, etc.: TX911.3.I5
 - Production management: TS160+
- Inverters
 - Dynamoelectric machinery: TK2692
 - Electronics: TK7872.I65
- Iodine
 - Chemical technology: TP245.I6
- Ion exchange
 - Chemical engineering: TP156.I6
 - Sewage disposal: TD757.5
- Ion exchange desalting
 - Saline water conversion: TD480.7
- Ion exchange process
 - Hydrometallurgy: TN688.3.I65
- Ion exchange resin
 - Gums and resins: TP979.5.I6
- Ion implantation
 - Metal finishing: TS695.25
- Ion plating
 - Metal finishing: TS695.2
- Ion rocket propulsion: TL783.63
- Ion rockets: TL783.63
- iPhoto: TR267.5.I64
- IPSec
 - Computer network protocols: TK5105.567
- IPT
 - High speed ground transportation: TF1540
- Iraqi Jewish style cooking: TX724.2.I73
- Iridium
 - Chemical technology: TP245.I7
- Irish crochet lace: TT805.I74
- Iron
 - Assaying: TN580.I8
 - Bridge engineering: TG370
 - Chemical technology: TP245.I8
 - Electroplating: TS692.I7
 - Food constituent: TX553.I75
 - Metal manufactures: TS300+
 - Ore dressing and milling: TN538.I7
 - Prospecting: TN271.I7
 - Stairbuilding: TH5667+
 - Structural engineering: TA684+
- Iron alloys
 - Engineering materials: TA478+
 - Metallurgy: TN756+
- Iron and steel
 - Building construction: TH1610+
 - Engineering materials: TA464+
 - Founding: TS228.99+
 - Metal manufactures: TS440+
 - Metallography: TN693.I7
 - Metallurgy: TN701.482+
 - Powder metallurgy: TN697.I7
 - Railway construction: TF255
 - Trussed bridges: TG380
- Iron furniture
 - Manufactures: TS408
- Iron industry
 - Dust removal: TH7697.I76
- Iron mines and mining
 - Water pollution: TD428.I74
- Iron-on transfer work
 - Textile decoration: TT852.7
- Iron ore deposits and mining: TN400+
- Iron ores
 - Assaying: TN580.I8
- Iron oxide
 - Chemical technology: TP936+
- Iron pipe
 - Sewers: TD686
- Iron roofing
 - Building construction: TH2457
- Iron salts
 - Photographic processes: TR405+
- Iron work
 - Engineering: TA890+
- Ironing
 - Laundry work: TT995
- Ironworking
 - Handicrafts: TT215+
- Ironworks
 - Electric lighting: TK4399.I7

INDEX

Ironworks
 Environmental effects: TD195.I76
 Irradiation
 Food preservation: TP371.8
 Sewage treatment: TD769.8
 Water purification: TD476
 Irrigation canals: TC930
 Irrigation engineering: TC801+
 Irrigation flumes and conduits: TC933
 Irrigation projects
 Management: TC812
 Irrigation pumps: TC929
 IS-IS (Computer network protocols): TK5105.5675
 Isano oil
 Chemical technology: TP684.I8
 iSCSI
 Computer network protocols: TK5105.5677
 Isinglass industry: TS2301.I8
 ISO 9000 Series standards
 Quality control standards
 Production management: TS156.17.I86
 Isochromatic photography: TR453
 Isocyanates
 Chemical technology: TP248.I8
 Isometric projection
 Mechanical drawing: T363
 Isopren
 Chemical technology: TP248.I86
 Isotope separation
 Chemical engineering: TP156.I7
 Isotopic power generators
 Electrical engineering: TK2965
 Ivory, Articles of
 Manufactures: TS1050

J

Jabber (Electronic mail system): TK5105.74.J32
 Jackets
 Women's tailoring: TT535
 Jackets for bottles
 Decorative crafts: TT879.J3
 Jackfruit
 Cooking: TX813.J33
 Jacquard looms
 Textile industries: TS1500
 Jacquard weaving
 Textile industries: TS1500
 Jade
 Jewelry work: TS755.J34
 Mineral industries: TN997.J3
 Jaguar automobile: TL215.J3
 Jails
 Environmental effects: TD195.P74
 Jakarta Tomcat
 Web authoring software: TK5105.8885.J34

Jam
 Cooking: TX814.5.J35
 Food processing and manufacture: TP441.J3
 Preservation and storage: TX612.J3
 Janitor service
 Apartment houses: TX958
 Household administration: TX339
 Janitors
 Photographic portraits: TR681.J35
 Japanese paper: TS1130
 Japanning materials
 Chemical technology: TP942
 JavaServer pages
 Web authoring software: TK5105.8885.J38
 JBoss
 Web authoring software: TK5105.8885.J42
 Jelly
 Food processing and manufacture: TP441.J3
 Preservation and storage: TX612.J4
 Jerusalem artichoke
 Sugars and syrups: TP414
 Jet
 Steam engines: TJ559
 Jet belts: TL717.5
 Jet engines
 Aeronautics: TL709+
 Jet flying: TL711.J38
 Jet propulsion
 Aeronautics: TL709+
 Jets
 Hydrodynamics: TC173
 Jetties
 Environmental effects: TD195.J48
 River protective works: TC535
 Jettisoning of fuel
 Airplanes: TL711.J4
 Jewel bearings
 Mechanical engineering: TJ1073.J4
 Jewelers' catalogs: TS759
 Jewelers' supplies: TS760
 Jewelry
 Hairwork: TT976
 Manufactures: TS720+
 Jewelry craft
 Metalworking: TT212
 Jigs
 Ore dressing and milling: TN520+
 Jigs and fixtures
 Machine tools: TJ1187
 Jigsaw work
 Woodworking: TT190.6
 Job descriptions
 Hotels, clubs, restaurants, etc.: TX911.3.J65
 Job design
 Industrial engineering: T60.8
 Joinery
 Building construction: TH5601+

INDEX

Joinery
 Finish carpentry: TH5662+
Joining
 Metals: TS226+
 Plastics: TP1165
Joint-wiping
 Building construction: TH6295
Joints
 Building construction: TH2060
 Cement and concrete construction: TA682.3
 Concrete roads: TE278.2
 Pipefitting: TH6293+
 Reinforced concrete construction: TA683.3
 Structural engineering: TA660.J64
 Wooden construction: TA666.5.J64
Joints, Expansion
 Structural engineering: TA660.E9
Joints, Welded (Metal)
 Engineering materials: TA492.W4
Jojoba oil
 Chemical technology: TP684.J64
Joomla
 Web authoring software: TK5105.8885.J86
Journal bearings
 Machinery: TJ1063
JPEG (Image coding standard): TA1638
Juicer recipes
 Cooking: TX840.J84
Jumping balloons: TL632
Jumping systems
 Fire prevention and extinction: TH9418
Junction transistors: TK7871.92
Juniper: TK5105.8.J84
Junk food
 Nutrition: TX370
Junkyards
 Municipal refuse: TD795.4
Jupiter (Planet)
 Flight to: TL799.J8
Just-in-time systems
 Production control: TS157.4
Jute industry: TS1700+
JXTA
 Computer network protocols: TK5105.568

K

Kabobs
 Cooking: TX834
Kalina cycle systems: TJ263.3
Kallitype
 Photographic processes: TR400
Kamala
 Textile dyes: TP925.K35
Kangaroo meat
 Food values: TX556.K36

Kaoliang
 Distilled liquors: TP607.K3
Kaolin
 Prospecting: TN271.K2
Kapok
 Textile fiber: TS1747.K3
Karts: TL236.5
Kawasaki motorcycle: TL448.K38
Keel
 Airships: TL662.K4
Kefir
 Beverages: TP565
Kelp
 Mining engineering: TN919
Kenaf
 Textile fiber: TS1544.A5
 Woodpulp industry: TS1176.4.K44
Kenotrons: TK7871.79.K4
Kentucky rifle: TS536.6.K4
Kerchiefs
 Clothing manufacture: TT667.5
Kerosene
 Fuel: TP359.K47
 Petroleum products: TP692.4.K4
Kerosene heaters
 Convective heating: TH7450.5
Ketchup
 Cooking: TX819.K48
Ketones
 Chemical technology: TP248.A53
Kettles
 Cooking: TX657.K4
Keys
 Locksmithing: TS530
 Telegraph: TK5575
Keys and keyways
 Fasteners: TJ1329
Khaki
 Dyeing: TP907
Kilns
 Clay industries: TP841+
 Pottery craft: TT924
Kilns, Lumber: TS837
Kimberlite
 Prospecting: TN271.K55
Kimch'i
 Cooking: TX806
Kinematics of machinery
 Mechanical engineering: TJ175
Kinetoscope
 Cinematography: TR885
Kirlian photography: TR760
Kirsch
 Distilled liquors: TP607.K57
Kit cars: TL240.2
Kitchen
 Cooking: TX653+

INDEX

Kitchen almanacs
 Cooking: TX727+
 Kitchen arrangement
 Cooking: TX655
 Kitchen boiler explosions
 Plumbing: TH6565+
 Kitchen boilers
 Plumbing: TH6563
 Kitchen cabinets
 Woodworking: TT197.5.K57
 Kitchen control
 Hotels, clubs, restaurants, etc.: TX921
 Kitchen furniture
 Woodworking: TT197.5.K57
 Kitchen plumbing
 Building construction: TH6507+
 Kitchen supports
 Plumbing: TH6563
 Kitchen wastes
 House drainage: TH6661
 Kitchens
 Building design and construction: TH3000.K58
 House remodeling: TH4816.3.K58
 Ventilation: TH7684.K5
 Kite balloons: TL635
 Kites
 Aeronautics: TL759+
 Kiwifruit
 Cooking: TX813.K55
 Klystrons: TK7871.74
 Knit goods
 Clothing manufacture: TT679+
 Knit goods industry
 Electric power: TK4035.K58
 Knitted lace: TT805.K54
 Knitting
 Decorative needlework: TT819+
 Knitting machinery
 Clothing manufacture: TT685
 Knitting machines
 Electric driving: TK4059.K55
 Knives
 Cooking: TX657.K54
 Knots
 Textile arts: TT840.R66
 Kodak camera
 Photography: TR263.K54
 Koji
 Food additives: TP456.K64
 Konica cameras
 Photography: TR263.K55
 Konnyaku
 Food processing and manufacture: TP444.K65
 Korean paper: TS1129
 Kreiselpumpen
 Hydraulic machinery: TJ919

Kriging
 Mining engineering: TN272.7
 Krypton
 Chemical technology: TP245.K6
 Kudzu
 Cooking: TX814.5.K83
 Kumiss
 Beverages: TP565
 Kvass
 Fermented beverage: TP588.K86
 Kwanzaa decorations
 Decorative crafts: TT900.K92

L

L2TP (Computer network protocols): TK5105.572
 Labeling
 Bottling: TP659.A1+
 Food processing and manufacture: TP374.5
 Packaging: TS196.6+
 Labels
 Wine and winemaking: TP548.5.L32
 Labor productivity
 Hotels, clubs, restaurants, etc.: TX911.3.L27
 Industrial engineering: T60.35
 Labor turnover
 Hotels, clubs, restaurants, etc.: TX911.3.L3
 Laboratories
 Aeronautics: TL566+
 Air conditioning: TH7688.L3
 Building construction: TH4652
 Fire insurance engineering: TH9237
 Photography: TR550+
 Waste control: TD899.L32
 Laboratories, Assay: TN570+
 Laboratories, Engineering: TA416+
 Laboratories, Metallurgical: TN570+
 Laboratories, Testing
 Engineering: TA416+
 Laboratory machines
 Testing of materials: TA412
 Laboratory manuals
 Astronautics: TL794.3
 Chemical technology: TP161
 Lace craft: TT810
 Lace (Machine made)
 Textile industries: TS1782
 Lacemaking
 Decorative needlework: TT800+
 Lacquering
 Metal finishing: TS698
 Metal finishing arts: TT382.4
 Painting: TT378
 Lacquers: TP939
 Lactams
 Chemical technology: TP248.L27

INDEX

- Lactic acid
 - Chemical technology: TP248.L3
- Lactose
 - Sugars and syrups: TP414
- Ladder trucks
 - Fire prevention and extinction: TH9383
- Ladle metallurgy
 - Steel: TN746
- Lake engineering: TC401+
- Lakes
 - Reclamation: TC975
 - Sewage effluent discharge into: TD763+
 - Water supply source: TD392
- Lamb
 - Cooking: TX749.5.L35
 - Food values: TX556.L3
- Lamborghini automobile: TL215.L33
- Lambretta motor scooters: TL453.L3
- Laminar flow
 - Aerodynamics: TL574.L3
- Laminated materials
 - Aeronautics: TL699.L23
 - Engineering materials: TA418.9.L3
- Laminated metals
 - Electrical engineering: TK454.4.L3
- Laminated plastics: TP1183.L3
- Laminated wood
 - Aeronautics: TL699.W7
 - Manufactures: TS869
- Lampposts
 - Cement manufacture: TP885.L3
 - Lighting fixtures: TH7970.L35
- Lamps
 - Decorative crafts: TT897.2
 - Lighthouses: TC377
 - Nonelectric illuminating industries: TP746
 - Woodworking: TT197.5.L34
- Lampshades
 - Decorative crafts: TT897
 - Wood products: TS913
- LAN Server (Computer network systems): TK5105.8.L34
- Lancashire steam boiler
 - Mechanical engineering: TJ310
- Land disposal
 - Hazardous substances: TD1064
- Land use
 - Soil pollution: TD880.L35
 - Water pollution: TD428.L35
- Landfill gases
 - Air pollutants: TD885.5.L35
- Landfills, Sanitary
 - Municipal refuse: TD795.7
 - Sewage disposal: TD771
- Landing
 - Airplanes: TL711.L3
- Landing aids
 - Aeronautical navigation equipment: TL696.L3
- Landing aids
 - Airports: TL725.3.L2
- Landing fees
 - Airports: TL725.3.L3
- Landing fields: TL725+
- Landing flares
 - Aeronautics: TL697.L3
- Landing gear
 - Airplanes: TL682+
- Landing gear for use on snow
 - Airplanes: TL683.S6
- Landing lights
 - Aircraft: TL691.L3
- Landscape construction by builders: TH380
- Landscape photography: TR660+
- Landscaping: TE177+
- Language
 - Aeronautics: TL564.5
 - Cooking: TX644
- Language, Technical: T11+
- Lantern slides
 - Photography: TR505
- Lanthanum
 - Chemical technology: TP245.L2
- Lapping
 - Cotton manufactures: TS1578
- Lapping tools
 - Machine shops: TJ1280+
- Larch
 - Woodpulp industry: TS1176.4.L3
- Lard
 - Manufactures: TS1980+
- Laser ablation
 - Applied optics: TA1715
- Laser communications systems
 - Engineering: TK5103.6
- Laser-induced fluorescence, Planar
 - Applied fluid mechanics: TA357.5.P58
- Laser peening
 - Manufactures: TS207.3.P44
- Laser sintering
 - Molding and casting
 - Plastics: TP1151.L37
- Laser welding: TS228.95
- Lasers
 - Aeronautics: TL697.L34
 - Applied optics: TA1671+
- Lasers in engineering: TA367.5
- Laterite
 - Engineering materials: TA455.L3
 - Mining engineering: TN948.L3
- Lathes
 - Machine shops: TJ1218+
- Lathework
 - Handicrafts: TT201+
- Latitude
 - Air navigation: TL588+

INDEX

- Latrines
 - Sewage disposal: TD775
- Lauhala weaving
 - Decorative crafts: TT877.5
- Launch complexes
 - Location: TL4024
- Launch facilities
 - Astronautics: TL4020+
- Launch vehicles
 - Rockets: TL785.8.L3
- Launching
 - Rockets: TL784.L3
- Launching bases
 - Astronautics: TL4020+
 - Location: TL4024
- Launching complexes
 - Astronautics: TL4020+
- Launching machinery
 - Airports: TL732
- Laundries
 - Plumbing: TH6502+
 - Waste control: TD899.L37
- Laundries, Public
 - Plumbing: TH6518.L3
 - Sanitary engineering: TH6057.L3
- Laundry wastes
 - House drainage: TH6661
- Laundry work: TT980+
- Lautal
 - Aeronautics: TL699.L3
- Lavatories
 - Plumbing: TH6485+
- Lavender
 - Cooking: TX819.L38
- Layettees
 - Children's clothing: TT637
- Laying out cities
 - Municipal engineering: TD160+
- Laying out gear teeth
 - Mechanical movements: TJ186
- Laying pipes
 - Building construction: TH6293+
- Layout
 - Sewerage systems: TD659
- LDAP (Computer network protocols): TK5105.5725
- Leaching equipment
 - Chemical technology: TP159.L4
- Lead
 - Air pollutants: TD887.L4
 - Chemical technology: TP245.L4
 - Effect on food: TX572.L4
 - Engineering materials: TA480.L4
 - Environmental pollutants: TD196.L4
 - Metallography: TN693.L4
 - Metallurgy: TN785
 - Nuclear engineering: TK9185.2.L43
 - Ore deposits and mining: TN450+
- Lead
 - Prospecting: TN271.L4
 - Soil pollutants: TD879.L43
- Lead-acid batteries
 - Electricity production: TK2945.L42
- Lead and silver
 - Metallurgy: TN770
- Lead burning
 - Plumbing: TH6691
- Lead roofing
 - Building construction: TH2458
- Leaded glass
 - Decorative furnishings: TH8271+
- Leading edges
 - Aerodynamics: TL574.L4
- Leads
 - Generators: TK2487
- Leadwork
 - Handicrafts: TT265
- Leaf metals
 - Metal manufactures: TS260
- Leakage, Testing for
 - House drainage: TH6617
- Leaks
 - Petroleum pipelines: TN879.55
- Leather garments
 - Women's tailoring: TT524
- Leather industry
 - Electric power: TK4035.L4
 - Environmental effects: TD195.L4
 - Manufactures: TS940+
- Leatherwork
 - Handicrafts: TT290
 - Machinery: TS1043
- Leavening agents
 - Food processing and manufacture: TP431+
- Leaves
 - Nature photography: TR726.L42
- Lecithin
 - Food constituents: TP453.L43
- LED lamps and systems: TK4388
- Leeks
 - Cooking: TX803.L4
- Lefse
 - Cooking: TX770.L44
- Left-turn lanes
 - Highway engineering: TE176.3
- Legends
 - Aeronautical engineering: TL516
 - Astronautics: TL516
- Legislators
 - Photographic portraits: TR681.L4
- Legumes
 - Food values: TX558.L4
- Leica cameras
 - Photography: TR263.L4

INDEX

- Leisure class
 - Photographic portraits: TR681.L44
- Lemonade: TP657.L46
 - Cooking: TX817.L45
- Lemongrass oil
 - Organic chemical industries: TP959.L4
- Lemons
 - Cooking: TX813.L4
 - Food values: TX558.L5
- Lens antennas: TK7871.67.L45
- Lenses
 - Lighthouses: TC379
 - Optical instruments: TS517.3+
 - Photography: TR270+
- Lenten cooking: TX837+
- Lentils
 - Cooking: TX803.L46
- Letter carriers
 - Photographic portraits: TR681.L47
- Lettering
 - Mechanical drawing: T371
- Levees
 - Coast protective works: TC337
 - River protective works: TC533
- Level indicators
 - Control engineering: TJ223.L5
- Leveling
 - Surveying: TA606+
- Levels
 - Surveying instruments: TA565
- Leveraction rifles: TS536.6.L48
- Libraries
 - Fire prevention and extinction: TH9445.L5
- Liernur sewerage system: TD666
- Life support systems
 - Space environment: TL1500+
- Lifesaving at fires
 - Fire extinction: TH9402+
- Lifesaving at sea
 - Use of airplanes: TL722.8
- Lift
 - Aerodynamics: TL574.L5
- Lifting
 - Industrial safety: T55.3.L5
- Lifting bodies
 - Aeronautics: TL713.7
- Lifting jacks
 - Mechanical engineering: TJ1430+
- Lifting machinery
 - Mechanical engineering: TJ1425+
- Lifting magnets
 - Hoisting machinery: TJ1366
- Lifts and inclines
 - Canals: TC763
- Light
 - Electrical engineering: TK1191+
- Light airplanes: TL685.1
- Light amplifiers: TK8360.L48
- Light distribution: TK4175
- Light-emitting diodes
 - Semiconductors: TK7871.89.L53
- Light filters
 - Photography: TR590.5
- Light metals
 - Manufactures: TS551+
 - Metallurgy: TN773+
- Light modulators: TK8360.L5
- Light pollution
 - Environmental effects: TD195.L52
- Light railways: TF670+
- Light rights
 - Natural lighting: TH7792
- Light water reactors
 - Nuclear engineering: TK9203.L45
- Lighter-than-air craft: TL605+
- Lighter-than-air craft industry
 - Technical aspects: TL667+
- Lighters for smokers
 - Manufactures: TS2280
- Lighthouses
 - Hydraulic engineering: TC375+
- Lighting
 - Airports: TL725.3.L5
 - Building construction: TH7700+
 - Cinematography: TR891
 - Environmental effects: TD195.L52
 - Mines: TN306.5+
 - Photography: TR590+
 - Railroad cars: TF447+
 - Railway equipment: TF445+
 - Railway tunnels: TF236
 - Tunneling: TA814
- Lighting devices
 - Motor vehicles: TL272
 - Woodworking: TT197.5.L34
- Lighting fixtures
 - Artificial lighting: TH7960+
- Lighting fixtures catalogs: TK4198
- Lighting for video recording
 - Cinematography: TR891
- Lighting plants: TK4219+
- Lightning arresters
 - Electric power: TK3248
- Lightning protection
 - Building construction: TH9057+
 - Electric power distribution system: TK3085
- Lightning protection systems: TH9092
- Lights
 - Lighthouses: TC377
- Lightweight alloys
 - Engineering and construction: TA484
- Lightweight concrete
 - Cement manufacture: TP884.L5

INDEX

- Lightweight construction
 - Building construction: TH1100
 - Structural engineering: TA663
- Lightweight materials
 - Engineering materials: TA418.9.L53
- Lightweight steel
 - Engineering materials: TA479.L54
- Lignin
 - Wood composition: TS933.L5
- Lignite
 - Fuel: TP329
 - Mining: TN831+
- Lignite industry
 - Environmental effects: TD195.L53
- Lignocellulose
 - Biotechnology: TP248.65.L54
- Lime
 - Chemical technology: TP886
 - Environmental pollutants: TD196.L55
 - Masonry materials: TA434+
 - Mining engineering: TN948.L46
 - Soil stabilization: TE210.5.L5
- Lime treatment
 - Pollution control methods: TD192.4
- Limekilns
 - Chemical technology: TP886
- Limes
 - Cooking: TX813.L55
- Limestone: TN967
 - Masonry materials: TA428.L5
- Limestone industry
 - Environmental effects: TD195.L55
- Limit analysis
 - Structural analysis: TA652
- Limit design
 - Structural engineering: TA658.6
- Limousines: TL232.7
- Lincrusta
 - Wall decoration: TH8471
- Line
 - Electric power: TK3201+
 - Technique of: TK3226
 - Telegraph: TK5451+
 - Telephone: TK6201+
- Line balancing
 - Manufacturing engineering: TS178.5
- Line insulators
 - Electric power: TK3246
- Line material
 - Telegraph: TK5454
- Line of balance technique
 - Production control: TS158.4
- Linear algebras
 - Engineering mathematics: TA347.L5
- Linear control systems
 - Mechanical engineering: TJ220
- Linear integrated circuits
 - Electronics: TK7874.654
- Linear programming
 - Industrial engineering: T57.74+
- Linen
 - Dyeing: TP903
 - Flax industries: TS1710+
 - Textile fiber: TS1543
- Lingerie
 - Clothing manufacture: TT669+
- Lining
 - Women's tailoring: TT557
- Link belting
 - Mechanical engineering: TJ1119
- Link couplings
 - Mechanical engineering: TJ183
- Link motion
 - Mechanical engineering: TJ182+
- Links
 - Mechanical engineering: TJ182+
- Linoleum: TS1779.L5
- Linseed oil
 - Chemical technology: TP682
- Lintels
 - Window and door openings: TH2261+
- Lipids
 - Biotechnology: TP248.65.L57
 - Food constituent: TX553.L5
 - Food constituents: TP453.L56
- Lippmann's process
 - Photographic processing: TR525
- Liquefied gas
 - Chemical technology: TP243
- Liquefied natural gas
 - Fire prevention and extinction: TH9446.L57
- Liquefied petroleum gas
 - Fuel: TP359.L5
- Liqueurs
 - Distilling: TP611
- Liquid air
 - Explosives: TP290.L5
- Liquid chromatography
 - Food analysis: TX548.2.L55
- Liquid crystal devices
 - Optical instruments: TS518
- Liquid crystal displays
 - Electronics: TK7872.L56
- Liquid crystals
 - Engineering materials: TA418.9.L54
- Liquid fuel
 - Chemical technology: TP343+
- Liquid gas
 - Gas industry: TP761.L5
- Liquid metal-cooled reactors
 - Nuclear engineering: TK9203.L5
- Liquid metals
 - Engineering materials: TA463

INDEX

- Liquid nitrogen automobiles: TL229.L56
 - Liquid propellant rockets: TL783.4
 - Liquids
 - Insulating material: TK3441.L5
 - Liquor-makers' receipts: TP612
 - Liquors
 - Cooking: TX726
 - Literature distribution by airplane: TL722.5
 - Lithium: TN490.L5
 - Chemical technology: TP245.L5
 - Engineering and construction: TA480.L5
 - Hazardous substances and their disposal: TD1066.L57
 - Metallurgy: TN799.L57
 - Lithium batteries
 - Electricity production: TK2945.L58
 - Litter and litter removal: TD813+
 - Live loads
 - Structural analysis: TA654.3+
 - Live steam systems
 - Low-pressure steam heating: TH7576+
 - LiveConnect (Netscape)
 - Web authoring software: TK5105.8885.N5
 - Livery
 - Men's clothing: TT626
 - Livestock
 - Nature photography: TR729.L5
 - Living room furniture
 - Woodworking: TT197.5.L5
 - Living rooms
 - House remodeling: TH4816.3.L57
 - Loaders (Automotive): TL296.5
 - Loading
 - Airplanes: TL711.L6
 - Loading and unloading
 - Materials handling: TS180.5
 - Loading conditions, Dynamic
 - Structural analysis: TA654+
 - Loading conditions, Static
 - Structural analysis: TA648+
 - Loads
 - Bridge engineering: TG260+
 - Loads, Blast
 - Structural engineering: TA654.7
 - Loads, Dynamic
 - Structural design: TA658.4+
 - Loads, Ice
 - Structural analysis: TA654.4
 - Loads, Live
 - Structural analysis: TA654.3+
 - Loads, Moving
 - Structural analysis: TA654.3+
 - Loads, Road
 - Structural analysis: TA654.33
 - Loads, Snow
 - Structural analysis: TA654.4
 - Loads, Water wave
 - Structural analysis: TA654.55
- Loads, Wind
 - Structural analysis: TA654.5
 - Lobbyists
 - Photographic portraits: TR681.L63
 - Lobsters
 - Cooking: TX754.L63
 - Local area networks (Computer networks)
 - Computer engineering: TK5105.7+
 - Local railways: TF670+
 - Location
 - Airports: TL725.3.L6
 - Hotels, clubs, restaurants, etc.: TX911.3.L62
 - Railroad engineering: TF190
 - Railroad surveying: TF215+
 - Railway construction: TF200
 - Location-based services
 - Computer networks: TK5105.65
 - Location engineering: TE206+
 - Lock-in amplifiers: TK7871.58.L57
 - Lock-joint brick
 - Brickmaking: TP832.L7
 - Lock picking: TS525
 - Locker hooking
 - Handicrafts: TT833
 - Lockheed Aircraft Corporation: TL686.L6
 - Locks
 - Building construction: TH2279
 - Gunsmithing: TS535.2.L6
 - Locksmithing: TS529
 - Security in buildings: TH9735
 - Locksmithing
 - Manufactures: TS519+
 - Locomotive tenders: TJ671
 - Locomotive works and shops: TJ680+
 - Locomotives
 - Industrial use: TJ695
 - Maintenance: TJ675
 - Mechanical engineering: TJ603+
 - Loess
 - Engineering materials: TA455.L6
 - Lofts
 - Building design and construction: TH3000.L63
 - Log cabins
 - Construction: TH4840
 - Logan blackberry
 - Food values: TX558.L6
 - Logarithmic amplifiers: TK7871.58.L6
 - Logbooks
 - Air navigation: TL587
 - Space navigation: TL1070
 - Logging railways: TF678
 - Logic circuits
 - Computer engineering: TK7888.4
 - Electronic circuits: TK7868.L6
 - Logic devices
 - Electronics: TK7872.L64

INDEX

Lomo cameras
 Photography: TR263.L66
 Long distance flying
 Airplanes: TL711.L7
 Long-Term Evolution
 Wireless communication systems: TK5103.48325
 Longerons
 Airplanes: TL681.L6
 Longitude
 Air navigation: TL588+
 Longwall mining: TN286
 Looms
 Weaving (Industrial): TS1493
 Loran
 Aeronautical navigation equipment: TL696.L65
 Losses in transmission
 Electric railways: TF912
 Lost arts
 Technology: T33
 Lotus
 Cooking: TX814.5.L68
 Nature photography: TR726.L66
 Lotus Domino
 Web authoring software: TK5105.8885.L67
 Loudspeaker cabinets
 Woodworking: TT197.5.L6
 Loudspeakers
 Electroacoustics: TK5983
 Louisiana style cooking: TX715.2.L68
 Louvers
 Ventilation of buildings: TH7683.L7
 Low-fat foods: TP451.L67
 Low income groups
 Nutrition: TX361.P66
 Low pollution combustion
 Gasoline automobiles: TL214.P6
 Low-pressure hot water heating (with dome boilers):
 TH7518+
 Low-pressure steam heating
 Hydronic systems: TH7570+
 Low probability of intercept radar: TK6592.L67
 Low temperature
 Food preservation: TP372+
 Low temperature engineering: TP480+
 Low temperature sanitary engineering: TD940+
 Low tension A.C.
 Dynamoelectric machinery: TK2826
 Low tension A.C. systems
 Electrical engineering: TK3142
 Low voltage generators
 Dynamoelectric machinery: TK2665
 Low voltage integrated circuits
 Electronics: TK7874.66
 Low-volume roads
 Highway engineering: TE228.5
 Lubricants
 Motor vehicles: TL153.5

Lubricants
 Tribology: TJ1077+
 Lubrication
 Aircraft engines: TL702.L8
 Diesel engines: TJ798
 Internal combustion engines: TJ789
 Locomotives: TJ675
 Mechanical engineering: TJ1075+
 Motor vehicles: TL153.5
 Railroad cars: TF389
 Space vehicles: TL917
 Lubrication, Elastohydrodynamic: TJ1077.5 E43
 Lucite
 Plastics: TP1180.L8
 Luggage industry
 Manufactures: TS2301.L8
 Lumber
 Manufactures: TS800+
 Lumber industry
 Air pollution: TD888.W6
 Lumber kilns: TS837
 Lumber sheds
 Building construction: TH4485
 Lumbering machinery
 Agricultural machinery: TJ1486.5
 Lumberyards
 Building construction: TH4485
 Fire prevention and extinction: TH9445.L8
 Luminescence
 Biotechnology: TP248.25.L85
 Lumped elements
 Electronics: TK7874.54
 Lunar mining: TN291.35
 Lunchbox cooking: TX735
 Luncheons
 Cooking: TX735
 Lunchrooms
 Fire prevention and extinction: TH9445.R44
 Sanitary engineering: TH6057.R4
 Luxfer prisms
 Natural lighting: TH7795
 Lyddite
 Explosives: TP290.L8
 Lykan HyperSport automobile: TL215.L95

M

Macadam roads
 Unpaved roads: TE243
 Macadamia
 Cooking: TX814.2.M33
 Macaroni
 Cooking: TX809.M17
 Food processing and manufacture: TP435.M3
 Food values: TX560.M2
 Machine assignments
 Industrial engineering: T60.74

INDEX

- Machine design
 - Mechanical engineering: TJ227+
- Machine drawing
 - Mechanical engineering: TJ227+
- Machine drawing for electrical engineers
 - Dynamolectric machinery: TK2325
- Machine embroidery: TT772
- Machine knitting
 - Clothing manufacture: TT679+
- Machine parts
 - Plastic: TP1185.M3
- Machine sewing
 - Textile arts: TT713
- Machine shops: TJ1125+
 - Construction: TJ1130+
 - Heating and ventilation: TH7392.M2
 - Noise control: TD893.6.M3
 - Ventilation: TH7684.M2
- Machine-to-machine communications: TK5105.67
- Machine tool drives
 - Machine tools: TJ1188
- Machine tools: TJ1180+
 - Electric driving: TK4059.M32
- Machine-tractor stations
 - Building construction: TH4940
- Machinery
 - Boot and shoemaking: TS1005
 - Engineering: TA213+
 - Flax industries: TS1728
 - Glassmaking: TP859.5
 - Highway engineering: TE223+
 - Laundry work: TT997
 - Leatherwork: TS1043
 - Materials handling: TS180.3
 - Mine danger: TN320
 - Packaging: TS196.4
 - Papermills: TS1117+
 - Plant engineering: TS191+
 - Rubber industry: TS1891.5
 - Spinning
 - Textile industries: TS1483
 - Telegraph: TK5371
 - Textile printing: TP930.5
 - Tobacco industry: TS2249
 - Weaving (Industrial): TS1493
 - Wood products: TS850
- Machinery and auxiliaries
 - Dynamolectric machinery: TK2000+
- Machinery exclusive of prime movers: TJ1040+
- Machinery for electric lighting: TK4241
- Machinery industry
 - Air pollution: TD888.M26
 - Waste control: TD899.M2
- Machinery, Maintenance and repair of
 - Mechanical engineering: TJ174
- Machinery manufacturing: TJ241
- Machinery, Photography of: TR717+
- Machinery, Planning for
 - Manufacturing engineering: TS181+
- Machines for caring for plants: TJ1484
- Machinima
 - Computer animation: TR897.74
- Machining
 - Ceramic technology: TP814
 - Mechanical engineering: TJ1180+
 - Plastics: TP1155
- Machinists' manuals
 - Machine shop practice: TJ1165
- Macintosh (Computer)
 - Electronics: TK7889.M33
- Mackerel
 - Cooking: TX748.M32
- Macramé
 - Textile arts: TT840.M33
- Macro lenses
 - Photography: TR271.M33
- Macromedia Generator
 - Web authoring software: TK5105.8885.M32
- Macromedia sitespring
 - Web authoring software: TK5105.8885.M37
- Macromedia Studio MX
 - Web authoring software: TK5105.8885.M38
- Macrophotography: TR684
- Madder
 - Textile dyes: TP925.M33
- Magazines, Fashion: TT500.A2+
- Magazines, Powder
 - Explosives: TP295
- MAGLVE
 - High speed ground transportation: TF1600
- Magnesia cements
 - Cement manufacture: TP884.M2
- Magnesia industries
 - Chemical technology: TP889
- Magnesite
 - Mining engineering: TN948.M2
- Magnesium
 - Aeronautics: TL699.M32
 - Chemical technology: TP245.M2
 - Engineering and construction: TA480.M3
 - Fire prevention and extinction: TH9446.M3
 - Manufactures: TS560
 - Metallography: TN693.M3
 - Metallurgy: TN799.M2
 - Motor vehicle construction materials: TL240.5.M33
 - Ore deposits and mining: TN490.M2
- Magnesium industry and trade
 - Environmental effects: TD195.M33
- Magnetic amplifiers: TK7871.23
- Magnetic analysis
 - Testing of materials: TA417.3
- Magnetic bearings
 - Mechanical engineering: TJ1073.7

INDEX

- Magnetic communication
 - Electrical engineering: TK5103.58
- Magnetic cores and devices
 - Electronics: TK7872.M25
- Magnetic devices
 - Control engineering: TJ223.M3
- Magnetic energy storage
 - Electrical engineering: TK2985
- Magnetic levitation vehicle
 - High speed ground transportation: TF1600
- Magnetic materials
 - Electrical engineering: TK454.4.M3
 - Electronics: TK7871.15.M3
- Magnetic memory
 - Computer engineering: TK7895.M3
- Magnetic recorders
 - Aircraft: TL691.M3
 - Amateurs' manuals: TK9967
- Magnetic resonance imaging analysis of food: TX542
- Magnetic separation
 - Biotechnology: TP248.25.M34
 - Chemical engineering: TP156.M26
 - Ore dressing and milling: TN530
- Magnetic shielding
 - Electrical engineering: TK454.4.M33
- Magnetic tape
 - Electroacoustics: TK5984
- Magnetic tape heads
 - Electroacoustics: TK5984
- Magnetic tape recorders and recording
 - Electronics: TK7881.6+
- Magnetite
 - Ore deposits and mining: TN402.M3
- Magnetoelectric machines
 - Amateurs' manuals: TK9909
- Magnetohydrodynamic devices
 - Plasma engineering: TA2040
- Magnetohydrodynamic generators
 - Electrical engineering: TK2970
- Magnetohydrodynamics
 - Plasma engineering: TA2040
- Magnetos
 - Aircraft engines: TL702.I5
 - Gasoline automobiles: TL213
 - Internal combustion engines: TJ787+
- Magnetrons
 - Electronics: TK7871.75
- Magnus effect
 - Aerodynamics: TL574.M3
- Mail cars
 - Railway equipment: TF467
- Mail chutes: TJ1398
- Maillard reaction
 - Food processing: TP372.55.M35
- Mailplanes: TL685.2
- Mains
 - Gas industry: TP757
- Mains supply
 - Radio: TK6565.M35
- Maintainability
 - Product engineering: TS174
- Maintenance
 - Airplanes: TL671.9
 - Building construction: TH3351+
 - Building gas supply: TH6860
 - Buses: TL232.2
 - Floors and flooring: TH2528
 - Hotels, clubs, restaurants, etc.: TX928
 - Houses: TH4817+
 - Motor vehicle operation: TL152+
 - Motorcycles: TL444
 - Petroleum pipelines: TN879.58
 - Plumbing: TH6681+
 - Railway permanent way: TF530+
 - Railway tunnels: TF234+
 - Sewers: TD716+
 - Tractors: TL233.2
 - Trucks: TL230.2
- Maintenance and repair
 - Aircraft engines: TL701.5
 - Airports: TL725.3.M16
 - Bridge engineering: TG315
 - Building construction: TH3301+
 - Building fittings: TH6013
 - Cement and concrete construction: TA682.446
 - Computer engineering: TK7887
 - Electronics: TK7870.2
 - Gunsmithing: TS535.4
 - Highway engineering: TE220+
 - Space vehicles: TL915
- Maintenance and repair of machinery
 - Mechanical engineering: TJ174
- Maize
 - Cooking: TX809.M2
 - Food values: TX558.C57
- Make-or-buy decisions
 - Manufacturing engineering: TS183.6
- Makerspaces
 - Industrial design: TS171.57
- Making up trains: TF593
- Makkölli
 - Cooking: TX726.4
 - Fermented beverage: TP579
- Malachite
 - Mineral industries: TN997.M35
- Malleable cast iron
 - Metallurgy: TN719
- Malt
 - Brewing and malting: TP587
- Malted milk
 - Cooking: TX817.M5
- Malting
 - Beverages: TP568+

INDEX

- Man-machine systems
 - Industrial engineering: T59.7+
- Managed pressure drilling: TN871.26
- Management
 - Airports: TL725.3.M2
 - Chemical processing of wood: TS937
 - Computer manufacturing plants: TK7886
 - Construction sites: TH438+
 - Electrical enterprises: TK441+
 - Engineering works: TA190+
 - Hotels, clubs, restaurants, etc.: TX911.3.M27
 - Industrial research: T175.5
 - Irrigation projects: TC812
 - Metallurgical plants: TN675.7
 - Packaging: TS196+
 - Radioactive waste disposal: TD898.14.M35
- Management consultants
 - Industrial engineering: T56.3
- Management engineering: T55.4+
- Management information systems
 - Industrial engineering: T58.6+
- Management of information systems
 - Industrial engineering: T58.64
- Management science: T55.4+
- Managerial control systems
 - Industrial engineering: T58.4
- Mandoline recipes
 - Cooking: TX840.M35
- Manganese: TN490.M3
 - Air pollutants: TD887.M34
 - Assaying: TN580.M3
 - Chemical technology: TP245.M3
 - Engineering and construction: TA480.M35
 - Metallography: TN693.M35
 - Metallurgy: TN799.M3
 - Ore dressing and milling: TN538.M35
 - Prospecting: TN271.M3
- Manganese steel
 - Metallurgy: TN757.M3
- Mangos
 - Cooking: TX813.M35
 - Food processing and manufacture: TP441.M36
- Manholes
 - Boilermaking: TJ294
 - Sewer appurtenances: TD696
- Manicuring
 - Professional operators: TT958.3
- Manipulation
 - Glass and glassmaking: TP859
 - Photography: TR147
- Manipulators
 - Industrial safety: T55.3.M35
 - Nuclear engineering: TK9151.7
- Manned space flight: TL873
- Mansard roofs
 - Building construction: TH2405
- Mantelpieces
 - Building construction: TH2288
- Manual systems
 - Telephone connections: TK6394
- Manual training
 - Handicrafts: TT161+
- Manufacture
 - Machine tools: TJ1180+
 - Salt: TN905+
- Manufactures: TS1+
 - Waste control: TD899.M29
- Manufacturing
 - Airplanes: TL671.28
 - Military airplanes: TL685.3
 - Motor vehicles: TL278
 - Rockets: TL784.3+
- Manufacturing capacity
 - Industrial engineering: T58.7+
- Manufacturing costs
 - Cost control: TS167
- Manufacturing engineering
 - Production management: TS176+
- Manufacturing personnel: TS155.4+
- Manufacturing planning
 - Production management: TS176+
- Manufacturing processes
 - Manufacturing engineering: TS183+
- Manuscripts
 - Photography: TR825
- Maple sugar
 - Cooking: TX767.M3
 - Food processing: TP395
 - Food values: TX560.M3
- Maple syrup
 - Cooking: TX767.M3
 - Food processing: TP395
 - Food values: TX560.M3
- Maps
 - Air navigation: TL587
- Marble: TN967
 - Masonry materials: TA428.M3
- Marbling: TT385
 - Interior painting: TT323
 - Wood finishing: TT330
- Margarine
 - Chemical technology: TP684.M3
- Marijuana
 - Cooking: TX819.M25
- Marinades
 - Cooking: TX819.M26
- Marinas
 - Environmental effects: TD195.M37
 - Hydraulic engineering: TC328
- Marine algae
 - Nutrition: TX402
- Marine animals
 - Nature photography: TR729.M37

INDEX

- Marine biotechnology: TP248.27.M37
- Marine cooking: TX840.M7
- Marine debris
 - Water pollutants: TD427.M35
- Marine fiber
 - Textile fiber: TS1544.M3
- Marine mineral resources: TN264
- Marine terminals
 - Environmental effects: TD195.M39
- Mariner project: TL789.8.U6M3
- Marines
 - Artistic photography: TR670+
- Markdown
 - Web authoring software: TK5105.8885.M39
- Markers
 - Aeronautical navigation equipment: TL696.M3
- Marketing
 - Hotels, clubs, restaurants, etc.: TX911.3.M3
- Markets
 - Artistic photography: TR663
- Marking
 - Airports: TL725.3.M3
 - Industrial safety: T55.3.M37
- Marking devices industry: TS2301.M3
- Markov processes
 - Chemical engineering: TP155.2.M34
- Marl
 - Mining engineering: TN948.M3
- Marmalade
 - Preservation and storage: TX612.M37
- Marquetry
 - Woodworking: TT192
- Mars (Planet)
 - Flight to: TL799.M3
- Maserati automobile: TL215.M34
- Masers amplifiers: TK7871.4
- Masks
 - Decorative crafts: TT898
 - Electronics: TK7872.M3
- Masonry
 - Housing material: TH4818.M37
- Masonry bridges: TG330
- Masonry building construction: TH1199+
- Masonry construction
 - Structural engineering: TA670+
- Masonry dams: TC547
- Masonry domes
 - Building design and construction: TH2170.7
- Masonry in building construction: TH5311+
- Masonry materials: TA425+
- Masonry stoves
 - Convective heating: TH7436.M37
- Mass customization
 - Product design: TS171.55
- Mass feeding
 - Food service: TX946
- Mass spectrometry
 - Biotechnology: TP248.25.M38
- Mass transfer
 - Chemical engineering: TP156.M3
- Master antenna television: TK6676
- Matches: TP310
- Mate (Tea)
 - Food values: TX560.M35
- Material of boilers
 - Boilermaking: TJ291
- Materials
 - Biotechnology: TP248.65.M37
 - Ceramic technology: TP810.5
 - Color photography: TR515
 - Electronics: TK7869+, TK7871+
 - Hairdressing: TT969
 - Laundry work: TT997
 - Lighter-than-air craft: TL665+
 - Machine and hand tools: TJ1192+
 - Nuclear engineering: TK9185+
 - Packaging: TS198.2+
 - Photography: TR196+
 - Roadmaking material: TE200+
 - Rockets: TL784.8
 - Space vehicles: TL950+
- Materials databases
 - Materials engineering: TA404.25
- Materials handling
 - Manufacturing engineering: TS180+
 - Noise control: TD893.6.M35
- Materials management
 - Inventory control: TS161
- Materials of engineering and construction: TA401+
- Materials, Residual
 - Engineering: TA709.5
- Materials science as a profession: TA403.9
- Maternity clothes
 - Women's tailoring: TT547
- Mathematica
 - Computer-aided engineering: TA345.5.M38
- Mathematical modelling
 - Petroleum geology: TN870.53
- Mathematical models
 - Biotechnology: TP248.25.M39
 - Chemical engineering: TP155.2.M35
 - Engineering mathematics: TA342+
 - Food processing: TP370.9.M38
 - Photography in surveying: TA593.5
 - Radioactive waste disposal: TD898.14.M36
 - Telecommunication: TK5102.83
- Mathematicians
 - Photographic portraits: TR681.M38
- Mathematics
 - Carpentry and joinery: TH5612+
 - Chemical engineering: TP155.2.M36
 - Electronics: TK7864
 - Hotels, clubs, restaurants, etc.: TX911.3.M33

INDEX

- Mathematics
 - Hydraulic engineering: TC157.8
 - Image processing: TA1637.5
 - Surveying: TA556.M38
- MATLAB
 - Computer-aided engineering: TA345.5.M42
- Matrices
 - Engineering mathematics: TA347.D4
- Matrix methods
 - Structural engineering: TA642
- Matting
 - Floor covering: TS1779.M2
- Maya
 - Computer animation software: TR897.72.M39
- Maya healers
 - Photographic portraits: TR681.M39
- Mayonnaise
 - Condiments: TX407.M38
 - Cooking: TX819.M3
- Mazut
 - Petroleum products: TP692.4.M3
- McLaren (Racing automobile): TL236.15.M35
- Mead
 - Fermented beverage: TP588.M4
- Measurement
 - Air pollution: TD890
 - Biotechnology: TP248.25.M43
 - Electronics: TK7874.58
- Measurement of angles
 - Surveying: TA603
- Measurement of distances
 - Surveying: TA601
- Measurement of noise: TD894
- Measurement of pollution: TD193+
- Measurement of power
 - Mechanical engineering: TJ1053
- Measurement, Technical: T50
- Measurements
 - Applied fluid mechanics: TA357.5.M43
 - Building construction: TH434+
 - Carpentry and joinery: TH5614+
 - Commercial buildings: TH4315
 - Heating of buildings: TH7335+
 - Houses: TH4815.8
 - Plumbing: TH6234+
 - Soil mechanics: TA710.5
- Measuring
 - Dressmaking: TT520
 - Men's tailoring: TT590
- Measuring tools
 - Machine shops: TJ1313
- Meat
 - Cooking: TX749+
 - Food values: TX556.M4
 - Pet food industry: TS2288.M4
 - Preservation and storage: TX612.M4
- Meat curing
 - Manufactures: TS1959+
- Meat extracts
 - Nutrition: TX389
- Meat industry
 - Noise control: TD893.6.M43
 - Waste control: TD899.M4
- Meat inspection
 - Manufactures: TS1975
- Meat packing industries
 - Manufactures: TS1970+
- Meat, Precooked
 - Food values: TX556.M43
- Meat substitutes: TP447.M4
 - Cooking: TX838
- Mechanic trades: TT1+
- Mechanical alloying: TN698
- Mechanical applications of electric power: TK4050+
- Mechanical damage, Packaging for protection from:
 - TS198.5+
- Mechanical devices and figures
 - Mechanical engineering: TJ210.2+
- Mechanical discharge systems
 - House drainage: TH6607
- Mechanical draft
 - Furnaces: TJ335
- Mechanical drawing: T351+
- Mechanical engineering: TJ1+
- Mechanical engineering and electrical engineering: TJ163+
- Mechanical engineering as a profession: TJ157
- Mechanical equipment
 - Building fittings: TH6010+
- Mechanical equipment of docks for cargo handling: TC370
- Mechanical haulage
 - Mines: TN335
- Mechanical machinery: TJ1+
- Mechanical models
 - Machinery: TJ248
- Mechanical motive power
 - Canals: TC769
- Mechanical movements
 - Machinery: TJ181+
- Mechanical pencils
 - Manufactures: TS1268
- Mechanical process
 - Woodpulp industry: TS1176.6.M4
- Mechanical properties
 - Materials: TA404.8+
- Mechanical stokers
 - Furnaces: TJ345
 - Locomotives: TJ649
- Mechanical telephones: TK6500
- Mechanical treatment
 - Water purification: TD437+
- Mechanical wear
 - Endurance properties and tests: TA418.4

INDEX

- Mechanics applied to machinery
 - Mechanical engineering: TJ170+
- Mechanics of engineering: TA349+
- Mechanics of flight: TL570+
- Mechanics of materials: TA405+
- Mechanization
 - Industrial engineering: T59.4
- Mechatronics: TJ163.12
- Medical examination
 - Drivers: TL152.35
- Medical photography: TR708
- Medium format cameras
 - Photography: TR257
- Medium tension A.C. systems
 - Electrical engineering: TK3143
- Meerscham
- Mining engineering: TN948.M5
- Melanite
 - Explosives: TP290.L8
- Melons
 - Cooking: TX813.M44
- Membrane filtration
 - Water purification: TD442.5
- Membrane methods
 - Saline water conversion: TD480.4+
 - Sewage purification: TD754
- Membrane reactors
 - Biotechnology: TP248.25.M45
- Membrane separation
 - Biotechnology: TP248.25.M46
- Membrane switches
 - Electronics: TK7872.M46
- Membranes
 - Chemical technology: TP159.M4
- Memory cards
 - Computer engineering: TK7895.S62
- Memory systems
 - Computer engineering: TK7895.M4
- Men
 - Hair styles: TT963
 - Photographic portraits: TR681.M4
- Mending
 - Handicrafts: TT151
 - Textile arts: TT720+
- Men's clothing
 - Tailoring: TT570+
- Men's fashions: TT617
- Mental requirements
 - Air pilots: TL555
- Menthol
 - Chemical technology: TP248.M4
- Menus
 - Cooking: TX727+
 - Hotels, clubs, restaurants, etc.: TX911.3.M45
- Mercantile buildings
 - Electric power: TK4035.M37
- Mercerization
 - Textile industries: TS1515
- Merchants
 - Photographic portraits: TR681.M44
- Mercury
 - Air pollutants: TD887.M37
 - Assaying: TN580.M4
 - Chemical technology: TP245.M5
 - Effect on food: TX572.M4
 - Engineering and construction: TA480.M4
 - Environmental pollutants: TD196.M38
 - Metallurgy: TN790
 - Ore deposits and mining: TN460+
 - Prospecting: TN271.M4
 - Waste disposal: TD812.5.M45
 - Water pollutants: TD427.M4
- Mercury-arc rectifiers
 - Electronics: TK7871.82
- Mercury (Planet)
 - Flight to: TL799.M4
- Mercury project: TL789.8.U6M4
- Mercury vapor lamps: TK4381
- Merry-go-round art
 - Decorative crafts: TT898.2
- Mescal
 - Distilled liquors: TP607.M46
- MESY
 - Computer-aided engineering: TA345.5.M16
- Metal
 - Waste disposal: TD799.5
- Metal arch bridges: TG410
- Metal bridges
 - Continuous girder bridges: TG416
- Metal carbonyls
 - Chemical technology: TP248.M43
- Metal-clad airships: TL656.6
- Metal coating
 - Plastics: TP1175.M4
- Metal coatings
 - Engineering and construction: TA491
- Metal construction
 - Structural engineering: TA684+
- Metal detectors
 - Electronics: TK7882.M4
- Metal filament lamps: TK4352
- Metal finishing
 - Manufactures: TS653+
 - Painting: TT382+
- Metal finishing industry
 - Waste control: TD899.M45
- Metal flooring: TH2529.M4
- Metal forming: TS200+
- Metal furniture
 - Manufactures: TS408
- Metal insulator semiconductors: TK7871.99.M4
- Metal lathing
 - Building construction: TH1675

INDEX

- Metal manufactures: TS200+
- Metal (non-foil)
 - Packaging materials: TS198.3.M4
- Metal oxide semiconductors: TK7871.99.M44
- Metal restraints
 - Locksmithing: TS531
- Metal roofing
 - Building construction: TH2454+
- Metal salts
 - Photographic processes: TR430+
- Metal sheathing
 - Building construction: TH1675
- Metal spinning
 - Handicrafts: TT206
- Metal spraying
 - Metal finishing: TS655
- Metal stamping
 - Metal manufactures: TS253
- Metal thread embroidery: TT778.M47
- Metal turning
 - Handicrafts: TT207
- Metal wastes
 - Waste disposal: TD898.8.M47
- Metallic bearings
 - Machinery: TJ1061+
- Metallic composites
 - Engineering and construction: TA481+
 - Metallography: TN693.M38
- Metallic glasses
 - Metallography: TN693.M4
- Metallic ore deposits: TN263
- Metallic ores
 - Mining engineering: TN265
- Metallic oxides
 - Insulating material: TK3441.M4
- Metallic soaps: TP992
- Metallizing
 - Metal finishing: TS655
- Metallo-organic compounds
 - Chemical technology: TP248.M45
- Metallographic specimens: TN690.7
- Metallography: TN689+
- Metallurgical analysis
 - Assaying: TN565
- Metallurgical furnaces: TN677+
- Metallurgical information, Communication of: TN610+
- Metallurgical laboratories: TN570+
- Metallurgical literature: TN610.5
- Metallurgical plants: TN675.5+
 - Air pollution: TD888.M4
 - Dust removal: TH7697.M4
 - Electric power: TK4035.M4
 - Energy conservation: TJ163.5.M48
 - Waste control: TD899.M43
 - Water pollution: TD428.M47
- Metallurgical research: TN207
- Metallurgy: TN1+, TN600+
- Metallurgy
 - Ferrous metals: TN701.482+
 - Nonferrous metals: TN758+
 - Space vehicles: TL954.M47
- Metals
 - Aeronautics: TL699.M4
 - Air pollutants: TD887.M4
 - Effect on food: TX571.M48
 - Engineering materials: TA459+
 - Environmental pollutants: TD196.M4
 - Hazardous substance disposal: TD1066.M46
 - Heat treatment: TN672
 - Joining: TS226+
 - Rolling: TS340
 - Soil pollutants: TD879.M47
 - Space vehicles: TL954.M47
 - Surface treatment: TS653+
 - Water pollutants: TD427.M44
- Metals, Extrusion of
 - Metal manufactures: TS255
- Metals, Heavy
 - Air pollutants: TD887.H4
 - Soil pollutants: TD879.H4
- Metals, Radioactive
 - Air pollutants: TD887.R3
- Metalwork
 - Motor vehicles: TL255.8
 - Noise control: TD893.6.M45
- Metalworking
 - Building construction: TH5701+
 - Handicrafts: TT205+
 - Manufactures: TS200+
- Metalworking industries
 - Environmental effects: TD195.M42
- Metalworking industry
 - Waste control: TD899.M45
- Metalworking machinery
 - Manufactures: TS215
- Metamaterials
 - Electronics: TK7871.15.M48
- Meteorological photography: TR732.8+
- Meteorological satellites: TL798.M4
- Meteorology in aeronautics: TL556+
- Metering pumps
 - Hydraulic machinery: TJ916
- Meters
 - Electric meters: TK311+
 - Hydrodynamics: TC177
- Methanation
 - Chemical engineering: TP156.M45
- Methane
 - Air pollution: TD885.5.M48
 - Fuel: TP359.M4, TP360
 - Gas industry: TP761.M4
- Methane industry
 - Water pollution: TD428.M49

INDEX

- Methanol
 - Distilling: TP594
- Methods engineering
 - Industrial engineering: T60+
- Methods time measurement
 - Industrial engineering: T60.52
- Methoxychlor
 - Environmental pollutants: TD196.M48
- Methyl ether vehicles: TL229.M48
- Methyl sulfoxide
 - Chemical technology: TP248.M48
- Methylotrophic microorganisms: TP248.27.M47
- Methylpropene
 - Gas industry: TP761.M44
- Metric system
 - Industrial applications: T50.5
- Metropolitan area networks
 - Electrical engineering: TK5105.85
- Metropolitan plants
 - Production of electric energy: TK1006
- Metropolitan transportation systems: TA1205+
- Mexican Americans
 - Nutrition: TX361.M39
- Mezzograph
 - Photography: TR976
- Mica
 - Engineering materials: TA455.M5
 - Mining engineering: TN933
 - Prospecting: TN271.M5
- Micro-optics
 - Applied optics: TA1659.5+
- Micro-optomechanical systems
 - Electronics: TK8360.O68
- Microbial biotechnology: TP248.27.M53
- Microbial exopolysaccharides
 - Biotechnology: TP248.65.M53
- Microbial granulation technology
 - Sewage treatment: TD756.65
- Microbial proteins
 - Biotechnology: TP248.65.M54
- Microbiology
 - Sewage: TD736
- Microcomputers
 - Control engineering: TJ223.M53
- Microcrystalline polymers
 - Plastics: TP1183.M5
- Microelectromechanical systems: TK7875
- Microelectronics: TK7874+
- Microencapsulation
 - Packaging: TS198.C33
- Microfilming
 - Photographic reproduction: TR835
- Microfluidic devices: TJ853.4.M53
- Microfluidics: TJ853.4.M53
- Microgels
 - Engineering materials: TA418.9.G45
- Microharvesters
 - Electronics: TK2897
- Microlenses
 - Applied optics: TA1660.5
- Microlithography
 - Electronics: TK7872.M3
- Micromachining: TJ1191.5
- Microorganisms
 - Water pollutants: TD427.M53
- Microphones
 - Electroacoustics: TK5986
 - Telephone: TK6478
- Micropositioners
 - Control engineering: TJ223.P67
- Microprocessors
 - Computer engineering: TK7895.M5
 - Control engineering: TJ223.M53
- Microreactors
 - Chemical technology: TP159.M53
- Microresonators
 - Electronics: TK8360.M53
- Microrobots: TJ211.36
- Microscopic analysis
 - Food: TX543
 - Food adulterants: TX567
 - Water: TD384
- Microscopy
 - Fermentation industries: TP515
 - Testing of materials: TA417.23
 - Textile industries: TS1449
- Microsoft content management server
 - Web authoring software: TK5105.8885.M52
- Microsoft Digital image: TR267.5.M53
- Microsoft Expression Web
 - Web authoring software: TK5105.8885.M525
- Microsoft FrontPage
 - Web authoring software: TK5105.8885.M53
- Microsoft Internet Explorer: TK5105.883.M53
- Microsoft Office
 - Web authoring software: TK5105.8885.M54
- Microsoft Office professional
 - Web authoring software: TK5105.8885.M54
- Microsoft SharePoint
 - Web authoring software: TK5105.8885.M543
- Microsoft TV
 - Web authoring software: TK5105.8885.M545
- Microsoft Visual InterDev
 - Web authoring software: TK5105.8885.M55
- Microsoft Visual studio
 - Web authoring software: TK5105.8885.M57
- Microsoft Word
 - Web authoring software: TK5105.8885.M59
- Microspacecraft: TL795.4
- Microstrip antennas: TK7871.67.M5
- Microwave antennas: TK7871.67.M53
- Microwave circuits
 - Electronics: TK7876+

INDEX

- Microwave communication systems: TK5103.4833
 - Amateurs' manuals: TK9957
- Microwave cooking: TX832
- Microwave holography: TA1552
- Microwave lenses
 - Radar: TK6590.M5
- Microwave ovens
 - Cooking: TX657.O64
- Microwave transistors: TK7871.96.M53
- Microwaves
 - Electronics: TK7876+
- Middens
 - Sewage disposal: TD775
- Middle-aged persons
 - Nutrition: TX361.M47
- Middle school students
 - Nutrition: TX361.M474
- Middlesex Canal
 - Inland navigation: TC625.M6
- Midget cars: TL236.6
- Midwestern style cooking: TX715.2.M53
- Migrant laborers
 - Nutrition: TX361.M48
- Military aeronautics
 - Environmental effects: TD195.M45
- Military bases
 - Energy conservation: TJ163.5.M54
 - Environmental effects: TD195.M46
- Military planes: TL685.3
- Milk
 - Cooking: TX759.5.M54
 - Food values: TX556.M5
 - Nutrition: TX379
- Milk plants
 - Waste control: TD899.D3
- Milk products
 - Food values: TX556.M5
- Milkshakes
 - Cooking: TX817.M5
- Millet
 - Food values: TX558.M5
- Millimeter wave communication systems: TK5103.4835
- Millimeter waves
 - Electronics: TK7876.5
- Millinery
 - Clothing manufacture: TT650+
- Milling
 - Gold and silver metallurgy: TN762
 - Metalworking: TT209
- Milling cutters
 - Machine shops: TJ1227
 - Machine tools: TJ1186
- Milling industry: TS2120+
- Milling machinery
 - Mining: TN505+
- Milling machines
 - Machine shops: TJ1225+
- Mills
 - Building construction: TH4511+
 - Electric lighting: TK4399.M5
 - Fire prevention and extinction: TH9445.M4+
 - Heating and ventilation: TH7392.M6
- Millwork
 - Manufactures: TS878
- MIMO systems
 - Wireless communication systems: TK5103.4836
- Mine accidents: TN311+
- Mine buildings
 - Building construction: TH4561
- Mine cars: TN342
- Mine communication systems: TN344
- Mine drainage: TN321+
- Mine dusts: TN312
- Mine examination and valuation: TN272+
- Mine explosions: TN313
- Mine filling: TN290
- Mine fires: TN315
- Mine haulage: TN331+
- Mine hoisting: TN331+
- Mine maps: TN273
- Mine organization and management: TN274
- Mine pumps: TN325
- Mine railroads: TN336
- Mine roof bolting: TN289.3
- Mine roof falls: TN317
- Mine sanitation: TN300
- Mine selling: TN272+
- Mine subsidences: TN319
 - Environmental effects: TD195.M48
- Mine surveying: TN273
- Mine tracks: TN336
- Mine transportation: TN331+
- Mineral deposits: TN263
- Mineral industries: TN1+
 - Dust removal: TH7697.M56
 - Energy conservation: TJ163.5.M56
 - Environmental effects: TD195.M5
 - Noise control: TD893.6.M5
 - Waste control: TD899.M47
 - Water pollution: TD428.M56
- Mineral oils
 - Chemical technology: TP685+
- Mineral waters
 - Mining engineering: TN923+
- Mineralogy, Applied: TN260
- Mineralogy, Economic: TN260
- Minerals
 - Food constituent: TX553.M55
 - Nature photography: TR732.5
- Miners
 - Nutrition: TX361.M5
- Miners' lamps: TN307
- Mines
 - Dangers and accidents: TN311+

INDEX

Mines

- Photography: TR672
- Waste control: TD899.M5
- Mines, Lighting of: TN306.5+
- Mines, Ventilation of: TN301+
- Mini automobile: TL215.M465
- Miniature cameras
 - Photography: TR262
- Miniature craft
 - Handicrafts: TT178
- Miniature engines
 - Locomotives: TJ630
- Minidisc players
 - Electronics: TK7881.78
- Minidisks
 - Electronics: TK7881.78
- Mining
 - Use of airplanes: TL722.4
- Mining appliances: TN345+
- Mining companies: TN400+
- Mining engineering: TN1+
- Mining engineering as a profession: TN160
- Mining in extreme environments: TN291.24+
- Mining machinery: TN345+
 - Electric driving: TK4059.M55
- Mining machinery accidents: TN320
- Mining, Ocean
 - Environmental effects: TD195.O25
- Mining, Salt: TN900+
- Mining tools: TN345+
- Minolta camera
 - Photography: TR263.M47
- Minox camera
 - Photography: TR263.M5
- Minsk computer: TK7889.M55
- Mint
 - Cooking: TX819.M56
- Mirror-frames
 - Glassware: TP867
- Mirrorless interchangeable-lens cameras
 - Photography: TR262.5
- Mirrors
 - Decorative crafts: TT898.3
 - Glassware: TP867
- Mischmetal
 - Metallography: TN693.R3
- Misfire
 - Internal combustion engines: TJ787.3.M57
- Miso
 - Cooking: TX819.M57
 - Food processing: TP438.S6
- Mississippi River
 - Jetties: TC425.M65
- Mists
 - Air pollutants: TD884.5
- Miter wheels
 - Mechanical movements: TJ194

Mitering

- Building construction: TH5691
- Mitigation of climate change
 - Environmental protection: TD171.75
- Mixed culture
 - Biotechnology: TP248.25.M58
- Mixer recipes
 - Cooking: TX840.M5
- Mixers
 - Electronics: TK7872.M5
- Mixing
 - Applied fluid mechanics: TA357.5.M59
 - Chemical engineering: TP156.M5
 - Concrete: TA439+
 - Plastics: TP1175.M5
- Mobile communication systems
 - Electrical engineering: TK5103.2+
- Mobile device forensics: TK5103.4837
- Mobile home cooking: TX840.M6
- Mobile home living: TX1100+
- Mobile homes
 - Construction: TH4819.M6
- Mobile offshore structures
 - Petroleum engineering: TN871.4
- Mobile robots
 - Mechanical engineering: TJ211.415
- Mobile television: TK6678.3+
- Mobiles
 - Decorative crafts: TT899
- Mochi
 - Cooking: TX814.5.M63
- Mocrophotography
 - Photographic reproduction: TR835
- Modal analysis
 - Structural analysis: TA654.15
- Mode-locked lasers
 - Applied optics: TA1688
- Model airplanes: TL770+
- Model airships: TL775
- Model analysis
 - Structural engineering: TA643
- Model engine
 - Aircraft engines: TL704.6
- Model gliders: TL774
- Model helicopters: TL776
- Model railways: TF197
- Model rockets: TL844
- Model space vehicles: TL844
- Model testing
 - Airplanes: TL671.8
 - Airships: TL660.5
- Modeling in clay
 - Decorative crafts: TT916
- Modelmaking
 - Handicrafts: TT154+
- Models
 - Aeronautics: TL770+

INDEX

Models

- Airports: TL725.3.M63
- Airships: TL775
- Boilermaking: TJ295
- Bridges: TG307
- Cycles: TL438
- Flying machines: TL713.7+
- Handicrafts: TT154+
- Heavier-than-air craft: TL670.5
- Helicopters: TL776
- Locomotives: TJ630
- Motor vehicles: TL237+
- Motorcycles: TL438
- Ocean engineering: TC1680
- Paper airplanes: TL778
- Patents: T324
- Propellers: TL777
- Sloyd: TT188
- Steam engines: TJ480
- Tractors: TL233.8

Models for water testing

- Aeronautical research: TL567.M6

Models for wind tunnel testing

- Aeronautical research: TL567.M6

Modems

- Computer engineering: TK7887.8.M63

Moderators

- Nuclear reactors: TK9209

Modular coordination

- Architectural engineering: TH860

Modulators

- Electronics: TK7872.M6

Mohair

- Textile fiber: TS1548.M6

Moisture

- Grain: TS2149
- Packaging protection: TS198.8.M6

Moisture content

- Engineering materials: TA418.64

Molasses

- Cooking: TX819.M65
- Sugars and syrups: TP413

Molded interconnect devices

- Electronic circuits: TK7868.M64

Molding

- Chemical engineering: TP156.M65
- Metal manufactures: TS243+
- Plastics: TP1150+

Molding materials

- Metal manufactures: TS243.5

Molding sand

- Metal manufactures: TS243.5

Moldings (Exterior)

- Building construction: TH2482+

Moldings (Interior)

- Building construction: TH2553

Molds

- Protection of buildings: TH9035

Molecular communication

- Electrical engineering: TK5103.57

Molecular electronics: TK7874.8

Molecular gastronomy

- Cooking: TX652.95

Molecular machinery

- Biotechnology: TP248.25.M645

Molecular sieves

- Chemical technology: TP159.M6

Molten carbonate fuel cells

- Electrical engineering: TK2933.M65

Molten salt reactors

- Nuclear engineering: TK9203.M65

Molybdenum

- Chemical technology: TP245.M7
- Engineering and construction: TA480.M6
- Metallography: TN693.M64
- Metallurgy: TN799.M7
- Nuclear engineering: TK9185.2.M66
- Ore deposits and mining: TN490.M7

Molybdenum steel

- Metallurgy: TN757.M7

Moment distribution method: TA650+

Moments

- Aerodynamics: TL574.M6
- Motor vehicle dynamics: TL245.2

Monazite

- Mining engineering: TN948.M7

Mond gas

- Gas industry: TP761.M7

Monitoring

- Biotechnology: TP248.25.M65
- Computer network management: TK5105.5485
- Dynamolectric machinery: TK2313

Monitoring receivers

- Radio apparatus: TK6564.M64

Monitoring structural health

- Structural analysis: TA656.6

Monoclonal antibodies

- Biotechnology: TP248.65.M65

Monoplane characteristics: TL671.3

Monopole antennas: TK7871.67.M66

Monopulse radar: TK6592.M6

Monsters

- Photographic portraits: TR681.M65

Monte Carlo method

- Industrial engineering: T57.64

Montgolfiers: TL617

Montmorillonite

- Mining engineering: TN948.M72

Monuments

- Cement manufacture: TP885.M7
- Stonework: TS788

Moon

- Extraterrestrial radio communication: TK6571.5.M6

INDEX

- Moon
 - Flight to: TL799.M6
- Moon cars: TL480
- Mooring berths
 - Hydraulic engineering: TC373
- Mooring masts
 - Airports: TL731
- Moral and ethical aspects
 - Internet: TK5105.878
 - Robotics: TJ211.28
- Morals
 - Household employees: TX333
- Mordants
 - Dyeing: TP927
- Mordenite
 - Mining engineering: TN948.Z4
- Moroccan Jewish style cooking: TX724.2.M67
- Morphing
 - Computer animation: TR897.75
- Mortar
 - Chemical technology: TP887
 - Masonry materials: TA434+
- Motels
 - Energy conservation: TJ163.5.H67
- Motherboards
 - Computer engineering: TK7895.B33
- Mothers
 - Photographic portraits: TR681.M67
- Mother's Day decorations
 - Decorative crafts: TT900.M68
- Mothproofing
 - Textile industries: TS1517
- Motion control devices
 - Mechanical engineering: TJ214.5
- Motion detectors
 - Electronics: TK7882.M68
- Motion picture cameras
 - Cinematography: TR880
- Motion picture film
 - Cinematography: TR886+
- Motion picture films in storehouses
 - Fire prevention and extinction: TH9445.T5
- Motion picture machines
 - Cinematography: TR878+
- Motion picture theaters
 - Electric power: TK4035.M6
 - Fire prevention and extinction: TH9445.T4
- Motion pictures
 - Editing: TR899+
 - Photography: TR845+
 - Technical education: T65.5.M6
- Motion pictures for television
 - Cinematography: TR898
- Motion study
 - Industrial engineering: T60.7
 - Machine shops: TJ1143
- Motion time systems, Predetermined
 - Industrial engineering: T60.5+
- Motive power
 - Canals: TC767+
 - Dynamolectric machinery: TK2000+
 - Locomotives: TJ640+
- Moto Guzzi motorcycle: TL448.M66
- Motor bicycles: TL443
- Motor generators
 - Dynamolectric machinery: TK2695
- Motor mounts
 - Gasoline automobiles: TL214.M68
- Motor scooters: TL450+
- Motor vehicle driving: TL152.5+
- Motor vehicle emissions
 - Air pollutants: TD886.5
- Motor vehicle fleets: TL165
- Motor vehicle operation: TL151.5+
- Motor vehicle scales
 - Highway engineering: TE176.8
- Motor vehicles: TL1+
 - Human engineering in design: TL250
- Motorboat cooking: TX840.M7
- Motorboat racing
 - Water pollution: TD428.M68
- Motorcars
 - Railway equipment: TF494+
- Motorcycle riding: TL440.5
- Motorcycles
 - Technology: TL439+
- Motorcycles, Electric: TL448.E44
- Motorcyclists: TL440.2
 - Photographic portraits: TR681.M69
- Motormen's manuals
 - Electric railways: TF965
- Motors
 - Aeronautics: TL701+
 - Dynamolectric machinery: TK2511+
 - Gasoline automobiles: TL210+
 - Mechanical engineering: TJ751+
 - Motorcycles: TL445
 - Types: TK2537
- Motorsports
 - Environmental effects: TD195.M67
- Mountain climbing
 - Airplanes: TL721.1
- Mountain flying
 - Airplanes: TL711.M68
- Mountain people
 - Photographic portraits: TR681.M72
- Mountain photography: TR787
- Mountain railways
 - Technology: TF680+
- Mountain roads
 - Highway engineering: TE229.8
- Mounting of prints
 - Photographic processing: TR340

INDEX

- Movable bed models
 - Hydraulic engineering: TC164.6
 - Movable boilers
 - Hot water heating: TH7540
 - Movable bridges: TG420
 - Movable dams: TC549
 - Movable furnaces
 - Hot water heating: TH7540
 - Hydronic systems: TH7475
 - Steam heating: TH7590
 - Movable Type
 - Web authoring software: TK5105.8885.M67
 - Moving, Household: TX307
 - Moving loads
 - Structural analysis: TA654.3+
 - Moving of structures
 - Building construction: TH153
 - Moving target indicator radar: TK6592.M67
 - MPEG
 - Digital video: TK6680.8.M74
 - MPLS (Computer network protocols): TK5105.573
 - Mucilage
 - Organic chemical industries: TP970
 - Mud fuel: TP360
 - Muds
 - Well drilling: TN871.27
 - Muffin pans
 - Cooking: TX657.M85
 - Muffins
 - Cooking: TX770.M83
 - Mufflers
 - Aircraft engines: TL702.M8
 - Mullet
 - Cooking: TX748.M84
 - Mullite
 - Mining engineering: TN948.M8
 - Multiengine flying
 - Airplanes: TL711.T85
 - Multimedia communications
 - Electrical engineering: TK5105.15
 - Multiphase current systems
 - Electrical engineering: TK3158
 - Multiphase currents
 - Electrical engineering: TK1168
 - Multiphase flow
 - Applied fluid mechanics: TA357.5.M84
 - Multiplane characteristics: TL671.3
 - Multiple exposures
 - Photography: TR594
 - Multiple punches
 - Machine shop: TJ1257
 - Multiplex telegraph system: TK5538
 - Multiplex telephone systems: TK6425
 - Multiplexers
 - Electronics: TK7872.M8
 - Multispectral imaging: TR267.733.M85
 - Multistory frames
 - Structural engineering: TA660.F73
 - Multitubular steam boilers
 - Mechanical engineering: TJ311+
 - Municipal engineering: TD159+
 - Municipal railways: TF701+
 - Municipal refuse
 - Environmental technology: TD785+
 - Muscovite
 - Mining engineering: TN948.M85
 - Museums
 - Energy conservation: TJ163.5.M87
 - Fire prevention and extinction: TH9445.M8
 - Sanitary engineering: TH6057.M87
 - Mushrooms
 - Cooking: TX804
 - Food processing and manufacture: TP444.M8
 - Food values: TX558.M9
 - Preservation and storage: TX612.M8
 - Musicians
 - Photographic portraits: TR681.M86
 - Mussels
 - Cooking: TX754.M98
 - Must
 - Beverages: TP560
 - Mustang automobile: TL215.M8
 - Mustard
 - Cooking: TX819.M87
 - Mustard oil
 - Organic chemical industries: TP959.M8
 - Mutton
 - Cooking: TX749.5.L35
 - Muzzle-loading firearms
 - Manufactures: TS535.8
 - Muzzle-loading rifle: TS536.6.M8
 - Mycobacterium avium
 - Water pollutants: TD427.M93
 - MyDVD
 - Digital video: TK6680.8.M93
- N
- Nacelles
 - Airplanes: TL681.5
 - Nail care
 - Professional operators: TT958.3
 - Nail craft
 - Metalworking: TT213.6
 - Nails
 - Metal manufactures: TS440+
 - Nails, Metal
 - Engineering and construction: TA492.N2
 - Names, Domain
 - Internet: TK5105.8835
 - Namo wep edit'ö
 - Web authoring software: TK5105.8885.N34
 - Nano automobiles: TL215.N35

INDEX

- Nanoelectronics: TK7874.839+
- Nanofluids: TJ853.4.M53
- Nanogels
 - Engineering materials: TA418.9.G45
- Nanoimprint lithography: TK7874.843
- Nanolithography: TK7874.843
- Nanonetworks: TK7874.845
- Nanoparticles
 - Environmental pollutants: TD196.N36
- Nanophotonics: TA1530
- Nanostructured materials
 - Engineering materials: TA418.9.N35
 - Environmental pollutants: TD196.N36
- Nanotechnology: T174.7
 - Biotechnology: TP248.25.N35
- Nanowires: TK7874.85
- Naphtha
 - Petroleum products: TP692.4.N3
- Naphthazarin
 - Textile dyes: TP918.N2
- Narrow gauge railways: TF675
- NASA: TL521.3+
- National Board of Fire Underwriters' rules
 - Building construction: TH9176
- National Research and Education Network
 - Computer networks: TK5105.875.N37
- Natto
 - Food processing: TP438.S6
- Natural carbons
 - Metallurgy: TN845+
- Natural draft
 - Ventilation of buildings: TH7674+
- Natural dyes: TP919+
 - Textile decoration: TT854.3
- Natural filtration
 - Mechanical treatment of water purification: TD443
- Natural flight
 - Aeronautics: TL575
- Natural foods
 - Cooking: TX741
 - Nutrition: TX369
- Natural gas
 - Air pollutants: TD885.5.N38
 - Fuel: TP350
 - Mining engineering: TN880+
- Natural gas hydraulic fracturing
 - Petroleum engineering: TN871.255
- Natural gas motor vehicles: TL228
- Natural gas pipelines: TN880.5
- Natural lighting
 - Building construction: TH7791+
 - Photography: TR590+
- Natural paraffin
 - Mineral oils and waxes: TP695
 - Mining engineering: TN857
- Natural sweeteners: TP426
- Natural ventilation
 - Ventilation of buildings: TH7674+
- Nature cinematography
 - Photography: TR893.4+
- Nature photography: TR721+
- Naval stations
 - Fire prevention and extinction: TH9445.N3
- Navigation computer
 - Aeronautical instrument: TL589.2.N3
- Navigation for air pilots: TL586+
- Navigation lights
 - Aircraft: TL691.N3
- Navigation, Performance-based
 - Air navigation: TL588.7
- Navigation satellites: TL798.N3
- Navigation systems
 - Space vehicles: TL3250+
- Navy yards
 - Fire prevention and extinction: TH9445.N3
- Navy-yards and naval stations
 - Environmental effects: TD195.N38
- Near field communication
 - Electrical engineering: TK5103.58
 - Radio: TK6570.N43
- Near infrared spectroscopy
 - Biotechnology: TP248.25.N42
- Near misses
 - Airplane accidents: TL553.55
- Neckties
 - Men's tailoring: TT616
- Needle dams: TC549
- Needlepoint lace: TT805.N43
- Needlepunch
 - Nonwoven fabric: TS1830.N44
- Needles industry
 - Manufactures: TS2301.P5
- Needlework
 - Textile arts: TT700+
- Needlework (Kindergarten): TT708
- Negative-resistance devices
 - Electronics: TK7872.N4
- Negatives
 - Photographic processing: TR290+
- Neodymium
 - Chemical technology: TP245.N4
 - Metallurgy: TN799.N47
- Neon
 - Chemical technology: TP245.N5
- Neon lamps and tubes
 - Electric lighting: TK4383
- Neon tubes: TK7871.84.N4
- Nepheline syenite
 - Mining engineering: TN948.N37
- Nephelite (Nepheline)
 - Mining engineering: TN948.N4
- Neptunium
 - Metallurgy: TN799.N5

INDEX

- Nernst lamps
 - Electric lighting: TK4359.N47
- Net
 - Balloons: TL625.N4
- Net systems
 - Fire prevention and extinction: TH9418
- NetCruiser: TK5105.883.N43
- NetObjects Fusion
 - Web authoring software: TK5105.8885.N48
- Nets
 - Engineering mathematics: TA347.N46
- Netscape: TK5105.883.N48
- Netscape Communicator: TK5105.883.N49
- Netscape Composer
 - Web authoring software: TK5105.8885.N49
- Netscape LiveConnect
 - Web authoring software: TK5105.8885.N5
- Netscape Navigator: TK5105.883.N48
- Netscape SuiteSpot: TK5105.883.N493
- Netting
 - Textile arts: TT840.N48
- Network analysis
 - Industrial engineering: T57.85
- Network File System
 - Computer network protocols: TK5105.574
- Network performance
 - Computer networks: TK5105.5956
- Network processors (Computer networks): TK5105.5457
- Network systems theory
 - Industrial engineering: T57.85
- Network Time Protocol
 - Computer network protocols: TK5105.575
- Networks, FiWi access: TK5105.775
- Networks on a chip (Computer networks): TK5105.546
- Neuroadaptive systems
 - Human engineering: TA167.5
- Neuromorphics
 - Bioengineering: TA164.4
- Neurotechnology
 - Human engineering: TA167.5
- Neutralization
 - Sewage disposal systems: TD747.9
- Neutron optical devices: TA1773
- Neutron sources
 - Nuclear engineering: TK9182
- New England style cooking: TX715.2.N48
- New towns
 - Environmental effects: TD195.N47
- New York airbrakes: TF430
- Newsprint: TS1160
- Newsreel cinematography
 - Photography: TR895
- Nicaragua Canal: TC784
- Nickel
 - Chemical technology: TP245.N6
 - Engineering materials: TA480.N6
 - Environmental pollutants: TD196.N48
- Nickel
 - Metallography: TN693.N5
 - Metallurgy: TN799.N6
 - Ore deposits and mining: TN490.N6
 - Prospecting: TN271.N5
- Nickel alloys
 - Electronics: TK7871.15.N53
- Nickel-cadmium batteries
 - Electricity production: TK2945.N52
- Nickel chromium alloys
 - Metallurgy: TN757.N6
- Nickel-hydrogen batteries
 - Electricity production: TK2945.N53
- Nickel plating
 - Electroplating: TS690
- Nickel steel
 - Engineering materials: TA479.N5
 - Metallurgy: TN757.N5
- Nickel-titanium alloys
 - Engineering materials: TA480.N63
- Nicotine
 - Tobacco manufacturing: TS2255
- Night flying
 - Airplanes: TL711.N5
- Night people
 - Photographic portraits: TR681.N54
- Night views
 - Photography: TR610
- Nik Software HDR Efex Pro: TR267.5.N56
- Nikon cameras
 - Photography: TR263.N5
- Niobium: TN490.N65
 - Chemical technology: TP245.N7
 - Engineering materials: TA480.N65
 - Metallurgy: TN799.N7
- Nissan trucks: TL230.5.N57
- Niter
 - Inorganic chemicals: TP238
- Nitrates
 - Effect on food: TX572.N5
 - Mining engineering: TN911
 - Salts: TP237+
- Nitration
 - Chemical engineering: TP156.N5
- Nitric acid
 - Chemicals: TP217.N5
- Nitrides
 - Electronics: TK7871.15.N57
 - Engineering materials: TA455.N5
- Nitriding
 - Steel metallurgy: TN752.C3
- Nitrification
 - Water treatment and conditioning: TD468
- Nitrites
 - Effect on food: TX572.N5
- Nitrocellulose
 - Chemical technology: TP248.N7

INDEX

- Nitrocellulose compounds
 - Explosives: TP276
- Nitrogen
 - Chemical technology: TP245.N8
 - Environmental pollutants: TD196.N55
 - Fertilizers: TP963.4.N5
 - Industrial electrochemistry: TP261.N7
 - Metallurgy: TN757.N66
 - Sewage treatment: TD758.5.N58
 - Water pollutants: TD427.N5
- Nitrogen compounds
 - Chemical technology: TP248.N8
 - Environmental pollutants: TD196.N55
 - Explosives: TP290.N53
 - Water pollutants: TD427.N5
- Nitrogen, Liquid, automobiles: TL229.L56
- Nitrogen oxides
 - Air pollutants: TD885.5.N5
- Nitroglycerine compounds
 - Explosives: TP285
- Nobel: TP268.5.N7
- Nodular iron
 - Metallurgy: TN719.5
- Noise
 - Aerodynamics: TL574.N6
 - Air conditioning: TH7687.5
 - Aircraft propellers: TL706.N6
 - Airplanes: TL671.65
 - Airports: TL725.3.N6
 - Electronic circuits: TK7867.5
 - Environmental engineering: TD891+
 - Motor vehicle dynamics: TL246
 - Turbines: TJ267.5.N5
- Noise generators
 - Electronics: TK7872.N6
- Noise in buildings
 - Building construction: TH1725
- Noise in machinery
 - Mechanical engineering: TJ179
- Noise measurement: TD894
- Nomads
 - Photographic portraits: TR681.N66
- Non-automatic electrolytic telegraphs: TK5515
- Nonalcoholic beverages: TP620+
- Noncarbonated fruit beverages: TP656+
- Nonconvex programming
 - Industrial engineering: T57.817
- Nondestructive tests
 - Testing of materials: TA417.2+
- Nonferrous metal industries
 - Electric power: TK4035.N6
 - Environmental effects: TD195.N65
- Nonferrous metals
 - Assaying: TN580.N6
 - Engineering and construction: TA479.3
 - Manufactures: TS370+
 - Metallurgy: TN758+
- Nonferrous metals
 - Ore dressing and milling: TN538.N6
- Nonlinear control systems
 - Mechanical engineering: TJ220.3
- Nonlinear methods
 - Engineering mathematics: TA347.N56
- Nonlinear programming
 - Chemical process control: TP155.75
 - Industrial engineering: T57.8+
- Nonmetallic bearings
 - Machinery: TJ1072+
- Nonmetallic materials
 - Engineering materials: TA418.95+
- Nonmetallic minerals
 - Mining engineering: TN799.5+
 - Prospecting: TN271.N63
- Nonnutritive sweeteners
 - Flavoring aids: TP422+
- Nonpoint source pollution
 - Water pollution: TD424.8
- Nonrigid airships: TL656.2
- Nonwoven fabrics
 - Textile fiber: TS1828+
- Noodles
 - Cooking: TX809.N65
- Nori
 - Food values: TX558.N6
- Normal numbers
 - Engineering mathematics: TA347.N6
- Normandy cooking: TX719.2.N67
- Nortel: TK5105.8.N63
- Northern style cooking
 - Italian: TX723.2.N65
- Notch effect
 - Plastic properties and tests: TA418.17
- Notions industry: TS2301.N5
- Novell E-guide: TK5105.885.N68
- Novell Net publisher
 - Web authoring software: TK5105.8885.N62
- Novell Netware networks: TK5105.8.N65
- Novelties industry
 - Manufactures: TS2301.N55
- Nozzle forms
 - Fire extinction: TH9323
- Nozzles
 - Aeronautical research: TL567.N6
 - Chemical technology: TP159.N6
 - Fire extinction: TH9380
 - Hydrodynamics: TC173
 - Jet engines: TL709.5.N68
 - Rockets: TL784.N65
 - Turbines: TJ267.5.N6
- Nuclear counters
 - Nuclear engineering: TK9180
- Nuclear electric powerplants
 - Space vehicles: TL1102.N8
- Nuclear engineering: TK9001+

INDEX

Nuclear engineering as a profession: TK9155.5
 Nuclear facilities
 Air pollution: TD888.N8
 Environmental effects: TD195.N83
 Fire prevention and extinction: TH9445.N83
 Ventilation: TH7684.N83
 Nuclear locomotives: TJ623
 Nuclear power piping
 Nuclear reactors: TK9211.7
 Nuclear power plants: TK1341+
 Airplanes: TL708+
 Fire prevention and extinction: TH9445.A85
 Water pollution: TD428.A86
 Nuclear pressure vessels
 Nuclear reactors: TK9211.5
 Nuclear propulsion
 Aeronautics: TL708+
 Nuclear propulsion systems: TL783.5
 Nuclear reactor instrumentation: TK9178+
 Nuclear reactors
 Engineering: TK9202+
 Nuclear reactors for propulsion: TK9230
 Nuclear rockets: TL783.5
 Nuclear safety
 Nuclear engineering: TK9152+
 Nuclear saline water conversion plants: TD479.6
 Nuclear weapons plants
 Environmental effects: TD195.N85
 Nucleation
 Chemical engineering: TP156.N8
 Nucleotides
 Chemical technology: TP248.N9
 Nude
 Artistic photography: TR674+
 Numerical control
 Machine tools: TJ1189
 Numerical methods
 Engineering mathematics: TA335
 Nursing homes
 Fire prevention: TH9445.A4
 Nut oils
 Food values: TX560.N7
 Nut products
 Food processing: TP439+
 Nut runners and setters
 Machine shops: TJ1201.N8
 Nutcrackers
 Cooking: TX657.N87
 Nutrient removal
 Sewage treatment: TD758.5.N58
 Nutrients
 Water pollutants: TD427.N87
 Nutrition
 Home economics: TX341+
 Nutrition policy: TX359
 Nuts
 Cooking: TX814+

Nuts
 Food processing: TP439+
 Food values: TX558.N8
 Nutrition: TX399
 Nuts, Metal
 Engineering materials: TA492.B63
 Nylon
 Chemical technology: TP1180.P55

O

Oakum
 Textile fiber: TS1747.O3
 OASIS: TK5105.885.O37
 Oat bran
 Cooking: TX809.O22
 Food processing and manufacture: TP435.O37
 Oat products
 Food processing and manufacture: TP435.O37
 Oats
 Cooking: TX809.O23
 Food values: TX558.O3
 Oblique wings
 Airplanes: TL673.O23
 Oblong stone blocks: TE265
 Observers' handbooks
 Artificial satellites: TL796.8
 Ocean, Discharge into
 Sewage disposal: TD771.5
 Ocean engineering: TC1501+
 Ocean flying
 Airplanes: TL711.O26
 Ocean mining: TN291.5
 Environmental effects: TD195.O25
 Ocean thermal energy conversion: TK1073
 Oceans
 Sewage effluent discharge into: TD763+
 Ocher
 Mining engineering: TN948.O2
 Odontographs
 Mechanical movements: TJ186
 Odor control
 Water purification: TD457
 Odors
 Air pollutants: TD886
 Wine and winemaking: TP548.5.F55
 Off-road trucks: TL235.6+
 Off-road vehicle driving: TL235.7
 Off-road vehicles: TL235.6+
 Office buildings
 Air conditioning: TH7688.O4
 Building operation and housekeeping: TX980
 Construction: TH4311+
 Electric lighting: TK4399.O35
 Energy conservation: TJ163.5.O35
 Environmental effects: TD195.H67
 Fire prevention and extinction: TH9445.O4

INDEX

- Office buildings
 - Heating and ventilation: TH7392.O35
 - Plumbing: TH6515.O3
 - Sanitary engineering: TH6057.O4
- Office organization
 - Telegraph enterprises: TK5285+
 - Telephone enterprises: TK6185+
- Office records
 - Management of engineering works: TA190.5
- Office systems
 - Management of engineering works: TA190.5
- Offices
 - House remodeling: TH4816.3.O34
 - Noise control: TD893.6.O34
- Offshore oil industry
 - Water pollution: TD428.O33
- Offshore structures
 - Air conditioning: TH7688.O44
 - Fire prevention and extinction: TH9445.O43
 - Ocean engineering: TC1665+
- Offshore well drilling
 - Petroleum engineering: TN871.3
- Ogee wings
 - Airplanes: TL673.O4
- Ohmmeters
 - Electric meters: TK311
- Oil
 - Gas manufacture: TP751.7
 - Hazardous substances and their disposal: TD1066.O55
 - Insulating material: TK3441.O5
 - Sewage treatment: TD758.5.O37
- Oil analysis
 - Petroleum refining: TP691
- Oil burning installations
 - Furnaces: TJ326
- Oil companies outside of United States: TN879
- Oil filters
 - Aircraft engines: TL702.O55
- Oil fuels
 - Central heating: TH7466.O6
- Oil gas
 - Petroleum products: TP692.4.O3
- Oil gasification: TP759
- Oil handling and storage: TP692.5
- Oil heating of buildings: TH7402+
- Oil hydraulic machinery: TJ843
- Oil hydraulics: TJ843
- Oil industries
 - Waste control: TD899.O54
- Oil inspection
 - Petroleum refining: TP691
- Oil mist lubrication
 - Mechanical engineering: TJ1073.6
- Oil pollution of soils: TD879.P4
- Oil processes
 - Photography: TR443
- Oil sands
 - Petroleum geology: TN870.54
- Oil sands extraction plants
 - Air pollution: TD888.O35
 - Water pollution: TD428.O35
- Oil separators
 - Steam powerplants: TJ444
- Oil-shale industry
 - Environmental effects: TD195.O4
- Oil shales
 - Mining engineering: TN858+
- Oil-soluble preservatives
 - Preservation of wood: TA424.6.O4
- Oil standards
 - Petroleum refining: TP691
- Oil storage tanks
 - Fire prevention and extinction: TH9445.O55
- Oil stoves
 - Convective heating: TH7449+
 - Cooking: TX657.S8
- Oil strainers
 - Tribology: TJ1081
- Oil system
 - Gasoline automobiles: TL214.O5
- Oil testing
 - Petroleum refining: TP691
- Oilcloth
 - Floor covering: TS1779.O5
- Oilfeeders
 - Tribology: TJ1079
- Oils
 - Chemical technology: TP669+
 - Food values: TX560.O3
 - Hairdressing: TT969
- Oils and fats, Edible
 - Condiments: TX407.O34
- Okra
 - Cooking: TX803.O37
- Older people
 - Nutrition: TX361.A3
 - Photographic portraits: TR681.A35
- Olefins
 - Chemical technology: TP248.A554
- Olive butter
 - Cooking: TX819.O4
- Olive oil
 - Chemical technology: TP683
 - Cooking: TX819.O42
 - Food values: TX560.O4
- Olives
 - Cooking: TX813.O4
 - Food processing and manufacture: TP441.O4
 - Food values: TX558.O5
- Olympus (Artificial satellite): TK5104.2.O49
- Olympus camera
 - Photography: TR263.O4
- OMEGA: TK5105.885.O53

INDEX

- Omnirange system
 - Aeronautical navigation equipment: TL696.O5
- One-dish meals: TX840.O53
- One-pipe systems
 - House drainage: TH6602
 - Low-pressure hot water heating: TH7525
 - Steam heating: TH7567
- Onions
 - Cooking: TX803.O5
 - Food processing and manufacture: TP444.O5
- Opa
 - Web authoring software: TK5105.8885.O63
- Opals
 - Jewelry work: TS755.O73
 - Mineral industries: TN997.O7
- Open air views
 - Photographic lighting: TR615
- Open and enclosed arcs
 - Electric lighting: TK4322
- Open channels
 - Hydrodynamics: TC175+
- Open Document Architecture
 - Computer network protocols: TK5105.577
- Open dumps
 - Municipal refuse: TD795+
- Open fires
 - Heating of buildings: TH7421+
- Open hearth process
 - Steel metallurgy: TN740+
- Open Shortest Path First
 - Computer network protocols: TK5105.578
- Open Systems Interconnect
 - Computer networks: TK5105.58
- Open working
 - Mining: TN291
- OpenGL
 - Computer-assisted drafting: T386.O64
- Opening and closing system
 - Aircraft engines: TL702.V3
- Opera (Internet browsers): TK5105.883.O65
- Operating environment
 - Electronics: TK7870.24+
- Operation and management
 - Electric railways: TF960+
 - High speed ground transportation: TF1500+
- Operation sequence analysis
 - Manufacturing engineering: TS178.7
- Operational amplifiers: TK7871.58.O6
- Operations, Contractors': TA201+
- Operations management: TS155+
- Operations research
 - Industrial engineering: T57.6+
- Opposed piston engines: TJ779.2
- Optic systems
 - Telegraph: TK5515
- Optical amplifiers: TK8360.L48
- Optical antennas
 - Optoelectronic devices: TK8360.O65
- Optical character recognition: TA1640
- Optical characterization
 - Testing of materials: TA417.43
- Optical coatings
 - Optical instruments: TS517.2
- Optical communications
 - Electrical engineering: TK5103.59+
- Optical data processing: TA1630+
- Optical data storage: TA1635
- Optical detectors
 - Electronics: TK8360.O67
- Optical devices, Neutron: TA1773
- Optical equipment
 - Aeronautics: TL697.O65
 - Computer engineering: TK7895.O6
 - Radar: TK6590.O67
 - Space vehicles: TL1200
- Optical fiber communication
 - Telecommunication: TK5103.592.F52
- Optical fiber detectors: TA1815
- Optical fiber subscriber loops
 - Telecommunication: TK5103.592.O68
- Optical fibers
 - Electrical engineering: TK8306
- Optical gyroscope
 - Aeronautical instruments: TL589.2.O6
- Optical instruments: TS510+
- Optical isomers
 - Biotechnology: TP248.65.O65
- Optical MEMS
 - Electronics: TK8360.O68
- Optical pattern recognition: TA1650+
- Optical properties
 - Engineering materials: TA418.62
- Optical radar: TK6592.O6
- Optical surface preparation
 - Instrument manufacture: TS517
- Optical tests
 - Engineering materials: TA418.62
- Optical tweezers
 - Electronics: TK8360.O69
- Optical wave guides: TK8305+
- Optics, Applied: TA1501+
- Optics, Integrated
 - Applied optics: TA1660
- Optima automobile: TL215.O68
- Optimization, Structural
 - Structural engineering: TA658.8
- Optoelectronic devices
 - Control engineering: TJ223.P5
 - Electronics: TK8300+
- Optoelectronics: TA1750+
- Optofluidics: TJ853.4.O68
- Optomechanical systems, Micro-
 - Electronics: TK8360.O68

INDEX

- Optomechanics: TS510+
- Oracle Portal
 - Web authoring software: TK5105.8885.O7
- Oracle WebLogic server
 - Web authoring software: TK5105.8885.O75
- Orange juice: TP562.5.O73
- Orange oil
 - Organic chemical industries: TP959.O7
- Oranges
 - Cooking: TX813.O6
 - Food values: TX558.O7
- Orbital mechanics: TL1050+
- Orbital rendezvous
 - Space vehicles: TL1095
- Orbital transfer
 - Space navigation: TL1075+
- Orchids
 - Nature photography: TR726.O73
- Ordinary telegraph system: TK5523
- Ore cars: TN342
 - Railway equipment: TF479
- Ore deposits
 - Mining: TN400+
- Ore dressing and milling: TN496+
- Ore-dressing plants: TN504
 - Dust removal: TH7697.O7
 - Electric power: TK4035.O7
- Ores
 - Analysis: TN580.A+
 - Sampling: TN560
- Organic chemical industries: TP950+
- Organic chemicals: TP247.A1+
- Organic compounds
 - Air pollutants: TD885.5.O74
 - Biotechnology: TP248.65.O73
 - Environmental pollutants: TD196.O73
 - Hazardous waste disposal: TD1066.O73
 - Sewage treatment: TD758.5.O75
 - Soil pollutants: TD879.O73
 - Water pollutants: TD427.O7
- Organic compounds, Halogen
 - Environmental pollutants: TD196.H35
- Organic moderated reactors
 - Nuclear engineering: TK9203.O7
- Organic semiconductors: TK7871.99.O74
- Organic wastes
 - Waste disposal: TD804+
- Organic wines
 - Wine and winemaking: TP548.6.O74
- Organization
 - Industrial research: T175.5
- Organization of staff and force
 - Railway operation: TF510+
- Organohalogen compounds
 - Waste disposal: TD812.5.O73
- Organolead compounds
 - Environmental pollutants: TD196.O75
- Organometallic compounds
 - Electronics: TK7871.15.O7
 - Environmental pollutants: TD196.O76
- Oriental rugs
 - Textile industries: TS1778
- Orienting mechanisms
 - Assembling machines: TJ1317.5
- Orifices
 - Hydrodynamics: TC173
- Origami
 - Decorative crafts: TT872.5
- Orion program: TL789.8.U6O75
- Orion spacecraft program: TL789.8.U6O75
- Ornamental bridges: TG430
- Ornamental glass in buildings: TP863+
- Ornamental glazing
 - Decorative furnishings: TH8271+
- Ornamental lathework: TT203
- Ornamental stones
 - Mining engineering: TN950+
- Ornaments
 - Hairwork: TT976
- Ornithopters: TL717
- Oroville Dam: TC557.C3O76
- Orthochromatic photography: TR453
- Orthogonal frequency division multiplexing
 - Wireless communication systems: TK5103.484
- Orthographic projection
 - Mechanical drawing: T363
- Oscillations
 - Aerodynamics: TL574.S7
- Oscillators
 - Electronics: TK7872.O7
 - Radar: TK6590.O7
 - Radio: TK6565.O7
 - Television: TK6655.O7
- Oscillographs
 - Electrical engineering: TK381
- Oscilloscopes
 - Electronic instruments: TK7878.7
- Osmium
 - Chemical technology: TP245.O7
- Osmosis
 - Chemical engineering: TP156.O7
- Ostrich
 - Cooking: TX750.5.O77
- Outdoor cooking: TX823
- Outdoor furniture
 - Woodworking: TT197.5.O9
- Outdoor photography: TR659.5
- Outer space
 - Mining: TN291.3+
- Outfall sewers: TD711
- Outhouses
 - Building construction: TH4975
- Outlet stores
 - Consumer education: TX335+

INDEX

- Ovens
 - Cooking: TX657.O57+
 - Over-the-horizon radar: TK6592.O94
 - Overcoats
 - Men's tailoring: TT600
 - Overhang
 - Airplanes: TL673.O8
 - Overhead lines
 - Electric power: TK3231+
 - Telegraph: TK5452+
 - Telephone connections: TK6352
 - Overhead projectors
 - Photography: TR508
 - Overhead systems
 - Low-pressure hot water heating: TH7525
 - Steam heating: TH7567
 - Overlays
 - Highway maintenance: TE220.3
 - Overshot water wheels: TJ862
 - Overwater flying
 - Airplanes: TL711.O26
 - Oxalic acid
 - Chemical technology: TP248.O9
 - Oxidation
 - Chemical engineering: TP156.O9
 - Pollution control methods: TD192.45
 - Sewage disposal: TD758
 - Oxidation ponds
 - Sewage treatment: TD746.5
 - Oxidizing agents
 - Chemical technology: TP159.O9
 - Environmental pollutants: TD196.O95
 - Oxyacetylene welding: TS228+
 - Oxygen
 - Chemical technology: TP245.O9
 - Explosives: TP290.L5
 - Fire prevention and extinction: TH9446.O95
 - Industrial electrochemistry: TP261.O9
 - Oxygen cutting
 - Welding: TS228.2
 - Oxygen equipment
 - Airplanes: TL697.O8
 - Oxygen steelmaking: TN747
 - Oxygenated diesel fuels: TP359.O98
 - Oysters
 - Cooking: TX754.O98
 - Ozokerite
 - Mineral oils and waxes: TP695
 - Mining engineering: TN857
 - Ozone
 - Air pollutants: TD885.5.O85
 - Chemical technology: TP245.O9
 - Ventilation of buildings: TH7657
 - Ozone-depleting substances
 - Air pollutants: TD887.O95
 - Ozone treatment
 - Water purification: TD461
 - Ozotype
 - Photography: TR433
- P
- Pacific Northwest style cooking: TX715.2.P32
 - Pacific submarine telegraph: TK5613
 - Package goods industry
 - Energy conservation: TJ163.5.P33
 - Environmental effects: TD195.P26
 - Packaging
 - Food processing and manufacture: TP374+
 - Manufactures: TS195+
 - Packaging waste
 - Waste disposal: TD797.9+
 - Packed towers
 - Chemical technology: TP159.P3
 - Packet switching: TK5105.3+
 - Packet transmission
 - Radio: TK6562.P32
 - Packet transport networks: TK5105.383
 - Packing
 - Machinery: TJ246
 - Plastics: TP1145
 - Steam engines: TJ529
 - Packing for shipment: TS198.5+
 - Packinghouses
 - Air conditioning: TH7688.P3
 - Building construction: TH4534
 - Equipment: TS1973
 - Heating and ventilation: TH7392.P33
 - Waste control: TD899.M4
 - PACSAT (Artificial satellite): TK5104.2.P33
 - Padlocks
 - Locksmithing: TS531.5
 - Page turners industry: TS2301.P2
 - PageMill
 - Web authoring software: TK5105.8885.A36
 - Pagodas
 - Building construction: TH4224
 - Pail systems
 - Sewage disposal: TD780
 - Paint analysis: TP936.5
 - Paint grinding machines: TP937.5
 - Paint industry
 - Environmental effects: TD195.P35
 - Waste control: TD899.P25
 - Paint machinery: TP937.5
 - Paint mixing machines: TP937.5
 - Paint removers
 - Chemical technology: TP937.8
 - Paint shops
 - Fire prevention and extinction: TH9445.P3
 - Handicrafts: TT305.3
 - Paint testing: TP936.5
 - Painters' materials: TT324

INDEX

- Painting
 - Buildings: TT320+
 - Decoys: TT199.75
 - Handicrafts: TT300+
 - Metal finishing: TS698
 - Metal finishing arts: TT382.4
 - Motor vehicles: TL255.2
- Painting, Industrial
 - Handicrafts: TT300+
- Paintings
 - Photography of art: TR658
- Paintmixing
 - Handicrafts: TT310
- Paints
 - Chemical technology: TP934+
 - Space vehicles: TL954.P35
- PaintShop Pro: TR267.5.P35
- Palapa project
 - Artificial satellites: TK5104.2.P35
- Palladium
 - Chemical technology: TP245.P2
 - Engineering materials: TA480.P35
 - Environmental pollutants: TD196.P28
 - Metallography: TN693.P3
 - Metallurgy: TN799.P34
- Pallets
 - Packaging: TS198.6.P3
- Palm frond weaving
 - Decorative crafts: TT877.5
- Palm oil
 - Chemical technology: TP684.P3
- Palm oil industry
 - Environmental effects: TD195.P36
- Palm products industry: TS2301.P24
- Palygorskite
 - Mining engineering: TN948.P25
- Panaflex motion picture camera: TR883.P36
- Panama affair: TC780
- Panama Canal
 - Construction and maintenance: TC774+
 - Hydraulic engineering: TC774+
- Panama Exposition: TC781+
- Pancakes
 - Cooking: TX770.P34
- Panel type electric radiant heating
 - Building construction: TH7434.7
- Paneling
 - Wooden construction: TA666.5.P35
- Panels
 - Radio: TK6565.P3
 - Reinforced concrete construction: TA683.5.P35
 - Wooden construction: TA666.5.P35
- Panoramic receivers
 - Radio apparatus: TK6564.P35
- Panoramic views
 - Artistic photography: TR661
- Pantograph
 - Mechanical engineering: TJ181.9
- Pantry plumbing
 - Building construction: TH6507+
- Papaya
 - Cooking: TX813.P3
- Paper
 - Insulating material: TK3441.P25
 - Packaging materials: TS198.3.P3
- Paper airplanes
 - Aeronautical models: TL778
- Paper-bag cooking: TX833
- Paper boxes
 - Manufactures: TS1200.A1+
- Paper characteristics
 - Paper manufacture: TS1121
- Paper coatings: TS1118.F5
- Paper-cutting machines: TS1118.C8
- Paper dolls
 - Handicrafts: TT175+
- Paper finishing: TS1118.F5
- Paper flowers
 - Decorative crafts: TT892
- Paper handling
 - Papermills: TS1116.6
- Paper industry
 - Electric power: TK4035.P3
 - Noise control: TD893.6.P35
 - Waste control: TD899.P3
 - Water pollution: TD428.P35
- Paper manufacture: TS1080+
 - Chemistry: TS1120
- Paper mills
 - Air conditioning: TH7688.F27
 - Air pollution: TD888.P8
 - Building construction: TH4536
 - Energy conservation: TJ163.5.P37
 - Environmental effects: TD195.P37
 - Paper manufacture: TS1116+
- Paper properties
 - Paper manufacture: TS1121
- Paper recycling
 - Paper manufacture: TS1120.5
- Paper ribbon work
 - Textile arts: TT850.5
- Paper sizing: TS1118.S5
- Paper toys
 - Handicrafts: TT174.5.P3
- Paper types
 - Paper manufacture: TS1124+
- Paper waste
 - Waste disposal: TD805
- Paperboard: TS1135+
 - Housing material: TH4818.P3
 - Packaging materials: TS198.3.P3
- Paperboard, Corrugated: TS1138

INDEX

- Paperhanging
 - Building decoration: TH8441
 - Wall decoration: TH8423+
- Papers
 - Sensitive surfaces
 - Photography: TR285
- Papers, Special
 - Paper manufacture: TS1124+
- Paperwork
 - Decorative crafts: TT870+
- Papier mâché: TS1155
 - Building construction: TH1550
- Papier-mâché craft
 - Decorative crafts: TT871
- Papiers collés
 - Crafts: TT910
- Papyrus: TS1125
- Parachutes: TL750+
- Parachutes to carry airplanes: TL758
- Paraffin
 - Mineral oils and waxes: TP693
- Paraffin, Natural
 - Mining engineering: TN857
- Paraffins
 - Petroleum products: TP692.4.P3
- Parakites: TL759.6.P3
- Parallel circuit
 - Electrical engineering: TK454.15.P37
- Parallel driving
 - Alternating-current machinery: TK2715
- Parallel kinematic machines
 - Manufactures: TS155.67
- Parallel processing
 - Computer-aided engineering: TA345.5.P37
- Parallel robots
 - Mechanical engineering: TJ211.4152
- Parametric amplifiers: TK7871.24
- Parametrons
 - Computer engineering: TK7895.P3
- Parasols
 - Textile industries: TS1865
- Parawings
 - Airplanes: TL673.P37
- Parchment: TS1165
- Parers, Apple
 - Cooking: TX657.A66
- Park bridges: TG430
- Park buildings
 - Building construction: TH4711
- Parking facilities
 - Environmental effects: TD195.P375
 - Motor vehicles: TL175
- Parking garages: TL175
 - Environmental effects: TD195.P375
- Parking lots: TL175
 - Environmental effects: TD195.P375
- Parks
 - Sanitary engineering: TD931
- Parlor cars
 - Railway equipment: TF457
- Parquet floors: TH2529.W6
- Particle accelerators
 - Nuclear engineering: TK9340
- Particle board
 - Wood products: TS875
- Particle counting
 - Water quality: TD368
- Particle size determination
 - Engineering materials: TA418.8
- Particle technology
 - Chemical engineering: TP156.P3
- Particles
 - Engineering materials: TA418.78+
 - Water pollutants: TD427.P27
- Particulate matter
 - Air pollutants: TD884.5
- Partitions
 - Building design and construction: TH2541+
- Parts catalogs
 - Motor vehicles: TL159+
- Party decorations
 - Decorative crafts: TT900.P3
- Passementerie
 - Silk manufactures: TS1687
- Passenger accommodations
 - Airports: TL725.3.P3
- Passenger cars
 - Railway equipment: TF455+
- Passenger conveyors: TJ1400
- Passenger depots
 - Railway structures: TF300+
- Passenger planes: TL685.4+
- Passenger tickets
 - Railway operation: TF654
- Passenger traffic
 - Railway operation: TF653
- Passenger trains: TF570+
- Passion fruit
 - Cooking: TX813.P34
- Passive optical networks: TK5103.592.P38
- Passivity-based control
 - Mechanical engineering: TJ221
- Passover
 - Cooking: TX739.2.P37
- Pasta
 - Cooking: TX809.M17
 - Food processing and manufacture: TP435.M3
- Pasta products
 - Cereals: TX394.5
- Pasteboard: TS1135+
- Pastes
 - Organic chemical industries: TP970

INDEX

- Pasteurization, Dense phase carbon dioxide
 - Food preservation: TP371.46
- Pastry
 - Cooking: TX773
- Patchwork
 - Handicrafts: TT835+
- Patent leather
 - Manufactures: TS970
- Patent solicitors, Publications of: T339
- Patents
 - Aeronautical engineering: TL513
 - Aeronautics: TL513
 - Astronautics: TL788.35
 - Biotechnology: TP248.175
 - Building laws: TH257
 - Chemicals: TP210
 - Cycles: TL437
 - Electrical engineering: TK257
 - Electronics: TK7850.A1+
 - Glass and glassmaking: TP858
 - Iron and steel
 - Metal manufactures: TS307
 - Mechanical engineering: TJ758
 - Metallurgy: TN708
 - Motor vehicles: TL280
 - Motorcycles: TL437
 - Nuclear engineering: TK9152.5
 - Ocean engineering: TC1660
 - Pet food industry: TS2287
 - Petroleum refining: TP690.5
 - Plastics: TP1114
 - Radio: TK6559
- Patios
 - Building construction: TH4970
- Pattern recognition, Optical: TA1650+
- Pattern recognition systems
 - Electronics: TK7882.P3
- Patternmaking
 - Dressmaking: TT520
 - Men's tailoring: TT590
 - Metal manufactures: TS240
- Patterns
 - Children's clothing: TT640
 - Decorative needlework: TT753+
- Pavements
 - Airports: TL725.3.P35
- Pavements and paved roads
 - Highway engineering: TE250+
- Pavilions
 - Exhibitions: T396.5
- PCMCIA cards
 - Computer engineering: TK7895.P38
- Peach palm
 - Cooking: TX813.P38
- Peaches
 - Cooking: TX813.P4
 - Food processing and manufacture: TP441.P4
- Peaches
 - Food values: TX558.P3
- Peanut butter: TP438.P4
 - Cooking: TX814.5.P38
- Peanut oil
 - Chemical technology: TP684.P4
- Peanuts: TP438.P4
 - Cooking: TX803.P35
- Pearls
 - Jewelry work: TS755.P3+
- Pears
 - Cooking: TX813.P43
- Peas
 - Cooking: TX803.P4
 - Food processing and manufacture: TP444.P4
 - Food values: TX558.P35
- Peat
 - Air pollutants: TD887.P34
 - Engineering materials: TA455.P4
 - Fire prevention and extinction: TH9446.P38
 - Fuel: TP340
 - Mining: TN837+
 - Prospecting: TN271.P27
- Peat industry
 - Electric power: TK4035.P33
- Peat machinery: TN841
- Peat mining
 - Environmental effects: TD195.P38
- Peat mull: TN842
- Peat straw: TN842
- Pecans
 - Cooking: TX814.2.P4
 - Food processing and manufacture: TP439.5.P42
- Pectic substances
 - Food constituent: TX553.P4
- Pectin
 - Chemical technology: TP248.P4
- Pedal cars: TL483
- Pedestrian areas
 - Electric lighting: TK4399.P44
- Pedestrian facilities
 - Pavements: TE279.5+
- Peelers
 - Cooking: TX657.A66
- Peening
 - Manufactures: TS207.3.P44
- Peer-to-peer architecture
 - Electrical engineering: TK5105.525
- Pegmatites
 - Mining engineering: TN948.P38
 - Prospecting: TN271.P3
- Pelletizing
 - Chemical engineering: TP156.P4
- Pelton water wheels: TJ866
- Pencils
 - Manufactures: TS1268

INDEX

- Penetrant inspections
 - Testing of materials: TA417.55
- Penetration mechanics: TA354.5
- Pennsylvania-Dutch cookbooks: TX721
- Pens
 - Stationery: TS1262+
- Penstocks
 - Hydraulic powerplants: TJ849
- Pentachlorophenol
 - Industrial waste disposal: TD898.8.P45
- Pentax camera
 - Photography: TR263.P4
- Pentodes: TK7871.79.P4
- Pentosan
 - Chemical technology: TP248.P44
- People with disabilities
 - Clothing: TT648
 - Nutrition: TX361.H35
 - Photographic portraits: TR681.H35
- People with disabilities, Access for
 - Transportation engineering: TA1285
- Pepper
 - Condiments, spices, etc.: TX407.P4
 - Cooking: TX819.P3
- Pepper (Spice): TX407.P4
- Peppermint
 - In plumbing testing: TH6617
- Peppermint oil
 - Organic chemical industries: TP959.P4
- Peppers
 - Cooking: TX803.P46
 - Nutrition: TX401.2.P47
- Perceptrons
 - Control engineering: TJ223.P4
- Perchlorates
 - Water pollutants: TD427.P33
- Perchloric acid: TP217.P4
- Perforating machinery
 - Machine shops: TJ1250+
- Performance
 - Aircraft engines: TL701.6
 - Aircraft propellers: TL706.P4
 - Airplanes: TL671.4
 - Airships: TL660.3
 - Pavements and paved roads: TE251.5
- Performance-based navigation
 - Air navigation: TL588.7
- Perfumes
 - Organic chemical technology: TP983+
- Perilla oil
 - Chemical technology: TP684.P47
- Perlite
 - Engineering materials: TA455.P45
 - Mining engineering: TN948.P4
- Permanent makeup: TT959
- Permanent way
 - Railway construction: TF240+, TF250+
- Permits
 - Building construction: TH11
- Peroxides
 - Chemical technology: TP248.P46
 - Explosives: TP290.P5
- Peroxyacetyl nitrate
 - Environmental pollutants: TD196.P36
- Perpetual motion
 - Mechanical engineering: TJ181.3
- Perry (Cider): TP564.5
- Persimmons
 - Cooking: TX813.P45
- Personal area networks
 - Computer networks: TK5105.76
- Personal communication service systems
 - Wireless communication systems: TK5103.485
- Personal propulsion units: TL717.5
- Personal rapid transportation: TA1207
- Personal robotics
 - Mechanical engineering: TJ211.416
- Personnel management
 - Hotels, clubs, restaurants, etc.: TX911.3.P4
- Personnel, Manufacturing: TS155.4+
- Perspective projection
 - Mechanical drawing: T369
- PERT
 - Production control: TS158.2
- Pervaporation
 - Biotechnology: TP248.25.P44
- Pest control in buildings: TH9041
- Pesticide residues
 - Effect on food: TX571.P4
- Pesticides
 - Air pollutants: TD887.P45
 - Chemical technology: TP248.P47
 - Environmental pollutants: TD196.P38
 - Hazardous substances and their disposal: TD1066.P47
 - Soil pollutants: TD879.P37
 - Water pollutants: TD427.P35
- Pesticides industry
 - Waste control: TD899.P37
- Pestles
 - Cooking: TX657.P47
- Pestos
 - Cooking: TX819.P45
- Pests, Household: TX325
- Pet food industry: TS2284+
- Petrochemical industry
 - Environmental effects: TD195.P39
- Petroleum: TN860+
 - Environmental pollutants: TD196.P4
 - Fire prevention and extinction: TH9446.P4
 - Fuel: TP355
 - Prospecting: TN271.P4
 - Soil pollutants: TD879.P4
 - Water pollutants: TD427.P4

INDEX

- Petroleum chemicals industry
 - Air pollution: TD888.P38
- Petroleum engineering: TN860+
 - Electric power: TK4035.P35
- Petroleum gas
 - Gas industry: TP761.P4
- Petroleum geology: TN870.5+
- Petroleum industry
 - Environmental effects: TD195.P4
 - Waste control: TD899.P4
- Petroleum pipelines: TN879.5+
 - Fire prevention and extinction: TH9445.P38
- Petroleum products
 - Chemical technology: TP690+
- Petroleum refineries
 - Air pollution: TD888.P4
 - Energy conservation: TJ163.5.P47
 - Fire prevention and extinction: TH9445.P4
 - Noise control: TD893.6.P47
 - Water pollution: TD428.P47
- Petroleum refining
 - Chemical technology: TP690+
- Petroleum supplies
 - Petroleum engineering: TN871.5
- Petroleum waste
 - Waste disposal: TD800
- Pets
 - Nature photography: TR729.P48
- Pewter craft: TT266.3
- Phantom circuits
 - Telephone: TK6343
- Pharmaceutical industry
 - Water pollution: TD428.P54
- Phase-locked loops
 - Electronics: TK7872.P38
- Phase meters
 - Electrical engineering: TK381
- Phase partition
 - Biotechnology: TP248.25.P53
- Phase shifters
 - Electronics: TK7872.P39
- Pheasant
 - Cooking: TX750.5.P45
- Phenol products
 - Chemical technology: TP248.P5
- Phenolic resins
 - Plastics: TP1180.P39
- Phenolite
 - Plastics: TP1180.P4
- Phenols
 - Food constituents: TP453.P45
 - Sewage treatment: TD758.5.P53
 - Water pollutants: TD427.P53
- Philosophy of machinery: TJ14
- Phonograph industry: TS2301.P3
- Phosphate coating
 - Metal finishing: TS696
- Phosphate industry
 - Waste control: TD899.P45
- Phosphate mines and mining
 - Environmental effects: TD195.P46
- Phosphates
 - Environmental pollutants: TD196.P45
 - Mining engineering: TN913+
 - Ore dressing and milling: TN538.P43
 - Prospecting: TN271.P45
 - Water pollutants: TD427.P56
- Phosphatic fertilizer industry
 - Environmental effects: TD195.P47
- Phosphatides
 - Chemical technology: TP248.P55
- Phosphogypsum
 - Environmental pollutants: TD196.P46
- Phosphoric acid: TP217.P5
- Phosphoric acid industry
 - Waste control: TD899.P46
- Phosphors
 - Electrical engineering: TK454.4.P5
 - Electronics: TK7871.15.P4
- Phosphorus
 - Chemical technology: TP245.P5
 - Food constituent: TX553.P45
 - Industrial electrochemistry: TP261.P48
 - Sewage treatment: TD758.5.P56
 - Water pollutants: TD427.P56
- Phosphorus compounds
 - Water pollutants: TD427.P56
- Photo CDs: TR502
- Photo-oleographs
 - Photographic processing: TR487
- Photoaquatint
 - Photography: TR445
- Photobooks: TR501.5
- Photoceramics
 - Photographic processing: TR500
- Photochemical telegraph system: TK5549
- Photochronograph
 - Cinematography: TR885
- Photoconductive cells: TK8330+
- Photocopying processes: TR824+
- Photodiodes: TK8312
- Photoelectric multipliers: TK8314
- Photoelectronic devices
 - Control engineering: TJ223.P5
 - Electronics: TK8300+
- Photoemissive tubes: TK8308+
- Photoenamels
 - Photographic processing: TR500
- Photoengraving
 - Photography: TR970
- Photogalvanography
 - Photography: TR990
- Photoglyptie
 - Photography: TR995

INDEX

- Photogrammetry
 - Applied photography: TR693+
- Photograms
 - Artistic photography: TR688
- Photograph albums: TR501
- Photographers
 - Photographic portraits: TR681.P56
- Photographers' reference handbooks: TR150
- Photographic accessories and apparatus: TR570
- Photographic amusements: TR148
- Photographic chemicals: TR210+
- Photographic chemistry: TR210+
 - Photography: TR200+
- Photographic criticism: TR187
- Photographic equipment
 - Collectors' manuals: TR6.5
 - Electric power: TK4035.P53
- Photographic image, Properties of: TR222
- Photographic industry
 - Waste control: TD899.P48
- Photographic interpretation
 - Photography: TR810
- Photographic optics: TR220
- Photographic patterns: TR682
- Photographic physics: TR215+
- Photographic processes: TR200+
- Photographic processing: TR287+
- Photographic reproduction: TR824+
- Photographic triangulation: TA593.8+
- Photographic waste, Recovery of: TR225
- Photographs
 - Collectors' manuals: TR6.5
- Photographs on metal, glass, cloth, etc.
 - Photographic processing: TR495
- Photography: TR1+
 - Surveying: TA592+
- Photography as a profession: TR154
- Photography by animals: TR689
- Photography in criminology: TR822
- Photography in education: TR816
- Photography in engineering: TR702
- Photography in law: TR822
- Photography of airplanes: TR714
- Photography of art: TR657+
- Photography of automobiles: TR716
- Photography of colored objects
 - Photographic processes: TR453
- Photography of food: TR656.7
- Photography of handicraft: TR658.5+
- Photography of historic documents: TR825
- Photography of machinery: TR717+
- Photography of manuscripts: TR825
- Photography of markets: TR663
- Photography of railroads: TR715
- Photography of the grotesque: TR686
- Photography studios: TR550+
- Photogravure
 - Photography: TR980
- Photojournalism
 - Applied photography: TR820
- Photolithography
 - Photography: TR940+
- Photomechanical processes
 - Photography: TR925+
- Photomontage
 - Photography: TR685
- Photomultipliers: TK8314
- Photon propulsion systems: TL783.57
- Photon rockets: TL783.57
- Photonics: TA1501+
- Photoplasticity: TA418.15
- Photopotentiometer: TK8360.P5
- Photoresistors: TK8331
- Photoshop
 - Digital photography: TR267.5.A+
- Photosynthesis
 - Renewable energy sources: TJ811.8
- Phototelegraphy: TK6600
- Phototransistors: TK8332
- Phototubes: TK8308+
- Photovoltaic cells: TK8322
- Photovoltaic power generation
 - Solar energy: TK1087
- Photovoltaic power systems
 - Solar energy: TK1087
- Photoxylography
 - Photography: TR960
- Photozincography
 - Photography: TR955
- Phthalate esters
 - Environmental pollutants: TD196.P47
- Phthalic acid
 - Chemical technology: TP248.P6
- Phthalocyanins
 - Chemical technology: TP248.P62
- Physical education facilities
 - Electric lighting: TK4399.P5
- Physical metallurgy: TN689+
- Physical properties
 - Engineering materials: TA418.5+
- Physical requirements
 - Air pilots: TL555
- Physical tests
 - Soils surveys: TE208+
- Physics
 - Home economics: TX149
- Phytoremediation
 - Pollution control methods: TD192.75
 - Soil remediation: TD878.48
- Picasa: TR267.5.P53
- Pickles
 - Cooking: TX805

INDEX

- Pickling
 - Food preservation: TP371.44
 - Metal finishing: TS654
- Picnic cooking: TX823
- Picric acid
 - Chemical technology: TP248.P65
- Picture frames
 - Decorative crafts: TT899.2
- Picture telegraphy: TK6600
- Picture transmission systems
 - Electrical engineering: TK5105.2
- Picture tubes
 - Television: TK6655.P5
- PID controllers
 - Control engineering: TJ223.P55
- Piers
 - Building design and construction: TH2140
 - Fire prevention and extinction: TH9445.P5
 - Harbor engineering: TC357
- Pies
 - Cooking: TX773
- Piezoelectric devices
 - Electronics: TK7872.P54
- Pig iron
 - Metallurgy: TN710+
- Pigeons
 - Food values: TX556.P6
- Piggyback trailers
 - Motor vehicles: TL297.6
- Piggyback trains: TF582
- Pigment processes
 - Photography: TR440
- Pigments
 - Chemical technology: TP934+
 - Mining engineering: TN948.P5
- Pike
 - Cooking: TX748.P54
- Pile-driving: TA780+
- Piles: TA780+
- Pillaring
 - Mining: TN289.8
- Pillow blocks
 - Machinery: TJ1065
- Pillowcases
 - Handicrafts: TT408
 - Home furnishings: TX315
- Pillows
 - Handicrafts: TT410
- Pilot balloons: TL630
- Pilot ejection seats
 - Airplanes: TL697.P5
- Pilot lights
 - Building gas supply: TH6887
- Piloting
 - Space vehicles: TL1090+
- Pin proportioning
 - Bridge design: TG301
- Piña cloth
 - Textile fiber: TS1544.P55
- Pincushions
 - Decorative crafts: TT899.3
- Pine
 - Woodpulp industry: TS1176.4.P5
- Pine cone craft
 - Decorative crafts: TT874.5
- Pine needle crafts: TT874
- Pine oil
 - Organic chemical industries: TP959.P5
- Pineapple
 - Food processing and manufacture: TP441.P54
- Pineapples
 - Cooking: TX813.P5
- Pinfire
 - Firearms: TS538.4
- Pinhole photography: TR268
- Pinot noir wines
 - Wine and winemaking: TP548.6.P56
- Pins
 - Fasteners: TJ1328
- Pins industry
 - Manufactures: TS2301.P5
- Pioneer project: TL789.8.U6P56
- Pipe
 - Cement manufacture: TP885.P5
 - Chemical technology: TP159.P5
- Pipe and fittings
 - Steam powerplants: TJ415+
- Pipe bending
 - Building construction: TH6294
- Pipe dampers
 - Warm-air heating: TH7627
- Pipe flanges
 - Steam powerplants: TJ421
- Pipe industry
 - Noise control: TD893.6.P55
- Pipefitting
 - Building construction: TH6703+
 - Building gas supply: TH6840
 - Plumbing work: TH6293+
- Pipefitting and plumbing
 - Building construction: TH6101+
- Pipefitting catalogs: TH6729
- Pipeline radio: TK6570.P5
- Pipelines
 - Electric power: TK4035.P55
 - Environmental effects: TD195.P5
 - Hydraulic machinery: TJ930+
 - Hydraulic powerplants: TJ849
 - Structural engineering: TA660.P55
- Pipes
 - Freezing and thawing: TH6685
 - Gas industry: TP757
 - Hydrodynamics: TC174
 - Metal manufactures: TS280+

INDEX

- Pipes
 - Railway structures: TF290
- Pipes, Metal
 - Engineering and construction: TA492.P6
- Pipes of cement, concrete, and clay: TA447
- Pipes, Plastic: TP1185.P5
 - Engineering materials: TA448
- Pipes, Tobacco
 - Manufactures: TS2270
- Piping
 - Hot water heating: TH7543
 - Hydronic systems: TH7478
 - Steam heating: TH7593
 - Warm-air heating: TH7625
- Piping installation
 - Building gas supply: TH6840
 - Pipefitting: TH6703+
- Pisé building construction: TH1421
- Pistols
 - Manufactures: TS537
- Piston blowers
 - Pneumatic machinery: TJ963
- Piston pumps
 - Hydraulic machinery: TJ915
- Piston rings
 - Steam engines: TJ533
- Piston valve
 - Steam engines: TJ546
- Pistons
 - Aircraft engines: TL702.P5
 - Diesel engines: TJ798.5
 - Gas engines: TJ774
 - Gasoline automobiles: TL214.P57
 - Internal combustion engines: TJ788
 - Locomotives: TJ659
 - Steam engines: TJ533
- Pita bread
 - Cooking: TX770.P56
- Pitch
 - Aerodynamics: TL574.M6
 - Motor vehicle dynamics: TL245.2
- Pitch, Adjustable
 - Aircraft propellers: TL707.P5
- Pitch, Controllable
 - Aircraft propellers: TL707.P5
- Pivot bearings
 - Machinery: TJ1067
- Pizza
 - Cooking: TX770.P58
- Placer mining: TN421
- Plain bearings
 - Machinery: TJ1063
- Plan reading
 - Building construction: TH431
- Planar laser-induced fluorescence
 - Applied fluid mechanics: TA357.5.P58
- Plane table
 - Surveying instruments: TA571
- Planers
 - Machine shops: TJ1206
- Planes
 - Machine shops: TJ1201.P55
- Planetables
 - Aeronautical research: TL567.P6
- Planetary quarantine
 - Space vehicles: TL943
- Planimeters
 - Surveying: TA614
- Planing machines
 - Machine shops: TJ1205+
- Planing-mill products
 - Manufactures: TS878
- Planing mills
 - Wood products: TS850
- Plank roads
 - Unpaved roads: TE245
- Planned unit developments
 - Environmental effects: TD195.P516
- Planning for machinery
 - Manufacturing engineering: TS181+
- Plans
 - Photographic reproduction processes: TR920+
- Plant biotechnology: TP248.27.P55
- Plant design
 - Manufacturing engineering: TS177
- Plant engineering
 - Production management: TS184+
- Plant fibers
 - Engineering materials: TA455.P49
- Plant grounds
 - Plant engineering: TS190+
- Plant housekeeping
 - Plant engineering: TS193
- Plant layout
 - Manufacturing engineering: TS178+
- Plant lipids
 - Biotechnology: TP248.65.P53
- Plant maintenance
 - Plant engineering: TS192
- Plant performance monitoring
 - Plant engineering: TS194
- Plant service facilities
 - Plant engineering: TS189+
- Plant size
 - Manufacturing engineering: TS177.3
- Plant supervisors
 - Manufacturing personnel: TS155.4
- Plant utilities
 - Plant engineering: TS187
- Planters
 - Agricultural machinery: TJ1483
- Plants
 - Nature photography: TR724+

INDEX

- Plasma
 - Chemical engineering: TP156.P5
- Plasma devices
 - Plasma engineering: TA2030
- Plasma dynamics, Applied: TA2001+
- Plasma-enhanced chemical vapor deposition
 - Metal finishing: TS695.15
- Plasma engineering: TA2001+
- Plasma jets
 - Chemical technology: TP159.P57
 - Metallurgical equipment: TN678
- Plasma propulsion systems: TL783.6
- Plasma rockets: TL783.6
- Plasma sheath effects
 - Astrionics: TL3028
- Plasmonics: TK8583+
- Plaster
 - Decorative furnishings: TH8135+
 - Housing material: TH4818.P53
- Plaster craft: TT295
- Plaster products
 - Chemical technology: TP888
- Plasterboard
 - Decorative furnishings: TH8139
- Plastering
 - Building construction: TH8120+
- Plastic analysis
 - Structural analysis: TA652
- Plastic bearings
 - Mechanical engineering: TJ1073.P6
- Plastic construction
 - Structural engineering: TA668
- Plastic craft: TT297+
- Plastic design
 - Structural engineering: TA658.6
- Plastic flooring: TH2529.P5
- Plastic foam
 - Handicrafts: TT297+
- Plastic furniture
 - Handicrafts: TT297.5
 - Plastic technology: TP1185.F8
- Plastic lenses: TS517.5.P5
- Plastic materials
 - Electronics: TK7871.15.P5
- Plastic pipes: TP1185.P5
 - Engineering materials: TA448
 - Plumbing: TH6330
- Plastic plants
 - Dust removal: TH7697.P5
- Plastic properties and tests: TA418.14+
- Plastic roofing
 - Building construction: TH2447
- Plastic scrap
 - Water pollutants: TD427.P62
- Plastic tubes
 - Plumbing: TH6330
- Plastic waste
 - Waste disposal: TD798
- Plasticizers
 - Chemical technology: TP247.7
- Plastics
 - Aeronautics: TL699.P6
 - Chemical technology: TP1101+
 - Effect on food: TX571.P63
 - Electrical engineering: TK454.4.P55
 - Engineering materials: TA455.P5+
 - Environmental pollutants: TD196.P5
 - Fire prevention and extinction: TH9446.P55
 - Fire testing: TH9446.5.P45
 - Insulating material: TK3441.P55
 - Machine tools: TJ1194
 - Motor vehicle construction materials: TL240.5.P42
 - Plumbing: TH6325+
- Plastics industry
 - Energy conservation: TJ163.5.P48
 - Environmental effects: TD195.P52
 - Waste control: TD899.P55
- Plastics (non-foil)
 - Packaging materials: TS198.3.P5
- Plastics plants
 - Chemical technology: TP1135
 - Fire prevention and extinction: TH9445.P55
- Plate-bonds
 - Window and door openings: TH2261+
- Plate girder bridges: TG360
- Plate girders
 - Structural engineering: TA660.P59
- Plate glass
 - Glassmaking: TP860
- Plate towers
 - Chemical technology: TP159.P6
- Plates
 - Sensitive surfaces
 - Photography: TR281
 - Structural engineering: TA660.P6
- Plates, Folded
 - Structural engineering: TA660.P63
- Plates, Metal
 - Engineering and construction: TA492.P7
- Plates, Twisted
 - Structural engineering: TA660.P65
- Platform systems, High altitude: TK7871.67.H54
- Plating baths
 - Electroplating: TS672
- Platinum
 - Assaying: TN580.P7
 - Chemical technology: TP245.P7
 - Electroplating: TS692.P55
 - Manufactures: TS770
 - Metallography: TN693.P55
 - Metallurgy: TN799.P7
 - Ore deposits and mining: TN490.P7
 - Ore dressing and milling: TN538.P53

INDEX

- Platinum
 - Prospecting: TN271.P56
- Platinum group
 - Electroplating: TS692.P56
 - Environmental pollutants: TD196.P53
 - Ore deposits and mining: TN490.P7
- Platinum salts
 - Photographic processes: TR420
- Playground equipment
 - Handicrafts: TT176
- Playhouses, Children's
 - Building construction: TH4967
- Pleasures of the table
 - Nutrition: TX631+
- Plexiglas
 - Plastics: TP1180.P5
- Pliers
 - Machine shops: TJ1201.T64
- Plotting
 - Railroad surveying: TF214
 - Surveying: TA611
- Plows
 - Agricultural machinery: TJ1482
- Plumbers' tools
 - Building construction: TH6299
- Plumbing and pipefitting
 - Building construction: TH6101+
- Plumbing fitting supplies
 - Building construction: TH6249+
- Plumbing fixtures supplies
 - Building construction: TH6249+
- Plumbing work
 - Building construction: TH6291+
- Plums
 - Cooking: TX813.P55
 - Food processing and manufacture: TP441.P55
- Plush
 - Silk manufactures: TS1680
- Pluto (Dwarf planet)
 - Flight to: TL799.P69
- Plutonium
 - Metallurgy: TN799.P74
 - Radioactive waste disposal: TD898.7.P48
 - Water pollutants: TD427.P63
- Plutonium as fuel: TK9365
- Plywood
 - Aeronautics: TL699.W7
 - Wood products: TS870
- Plywood working
 - Woodworking: TT191
- Pneumatic control systems
 - Mechanical engineering: TJ219
- Pneumatic equipment
 - Aeronautics: TL697.P6
 - Airports: TL725.3.P55
- Pneumatic machinery
 - Mechanical engineering: TJ950+
- Pneumatic presses
 - Lifting machinery: TJ1465
- Pneumatic tools: TJ1005+
- Pneumatic tubes and carriers: TJ1015
- Pointing
 - Masonry construction: TH5371
- Pointing systems
 - Space vehicles: TL3270
- Points (English)
 - Railway construction: TF266+
- Poker players
 - Photographic portraits: TR681.P58
- Polarized-light photography: TR757
- Polaroid Land camera
 - Photography: TR263.P6
- Polders
 - Hydraulic engineering: TC343+
- Pole supports
 - Electric power: TK3243
- Poles
 - Electric power: TK3242
 - Reinforced concrete construction: TA683.5.P65
- Police radio: TK6570.P6
- Police stations
 - Environmental effects: TD195.P64
- Polishes
 - Abrading machinery: TJ1296+
 - Chemical technology: TP940
- Polishing
 - Optical instruments: TS517
- Political aspects
 - Hazardous substances and their disposal: TD1050.P64
 - Photography: TR184
- Politicians
 - Photographic portraits: TR681.P59
- Pollen
 - Air pollutants: TD887.P65
 - Food values: TX560.P6
- Pollock
 - Cooking: TX748.P64
- Pollution
 - Groundwater: TD426+
- Pollution, Air
 - Control: TD881+
- Pollution control devices
 - Gasoline automobiles: TL214.P6
- Pollution control methods
 - Environmental pollution: TD191.5+
- Pollution, Environmental: TD172+
- Pollution, Heat
 - Water pollutants: TD427.H4
- Pollution of streams: TD425
- Pollution, Radioactive
 - Environmental pollutants: TD196.R3
- Pollution, Thermal
 - Water pollutants: TD427.H4
- Pollution, Water: TD419+

INDEX

- Polyacetylenes
 - Plastics: TP1180.P53
- Polyacrylamides
 - Plastics: TP1180.P54
- Polyamide textile fibers: TS1548.7.P57
- Polyamides
 - Plastics: TP1180.P55
- Polyanilines
 - Plastics: TP1180.P552
- Polyarylethers
 - Plastics: TP1180.P553
- Polybischloromethyloxetane
 - Plastics: TP1180.P555
- Polybrominated diphenyl ethers
 - Air pollutants: TD887.P69
 - Water pollutants: TD427.P646
- Polybutenes
 - Plastics: TP1180.P56
- Polycarbonates
 - Plastics: TP1180.P57
- Polychlorinated biphenyls
 - Effect on food: TX572.P65
 - Environmental pollutants: TD196.P65
 - Hazardous substances and their disposal: TD1066.P64
 - Industrial waste disposal: TD898.8.P64
 - Sewage treatment: TD758.5.P64
 - Soil pollutants: TD879.P64
 - Water pollutants: TD427.P65
- Polycyclic aromatic hydrocarbons
 - Air pollutants: TD887.P695
 - Soil pollutants: TD879.P66
 - Water pollutants: TD427.H93
- Polycyclic systems
 - Electrical engineering: TK3159
- Polyelectrolytes
 - Water pollutants: TD427.P67
- Polyester textile fibers: TS1548.7.P58
- Polyesters
 - Plastics: TP1180.P6
- Polyethylene
 - Plastics: TP1180.P65
- Polyethylene glycol
 - Biotechnology: TP248.65.P58
 - Plastics: TP1180.P653
- Polyethylenimine
 - Plastics: TP1180.P655
- Polyhedra
 - Structural engineering: TA660.P73
- Polyimides
 - Plastics: TP1180.P66
- Polyketones
 - Plastics: TP1180.P663
- Polymer conductors
 - Electric power: TK3311.P6
- Polymer liquid crystals
 - Plastics: TP1180.P666
- Polymerization
 - Chemical engineering: TP156.P6
- Polymers
 - Biotechnology: TP248.65.P62
 - Cementing substance: TA443.P58
 - Chemical technology: TP1080+
 - Electronics: TK7871.15.P6
 - Engineering materials: TA455.P58+
 - Fire prevention and extinction: TH9446.P65
 - Fire testing: TH9446.5.P65
 - Insulating material: TK3441.P58
 - Manufacture: TP1080+
- Polymers, Antimicrobial
 - Plastics: TP1180.A58
- Polymethines
 - Textile dyes: TP918.P65
- Polymethylbenzenes
 - Chemical technology: TP248.P67
- Polyolefins
 - Plastics: TP1180.P67
- Polyphase alternating-current machinery: TK2731
- Polyphase-current machinery
 - Alternating-current machinery: TK2745
- Polyphase current systems
 - Electrical engineering: TK3155+
- Polyphase currents
 - Electrical engineering: TK1161+
- Polyphase motors
 - Alternating-current motors: TK2785
- Polyphenylene oxide
 - Plastics: TP1180.P678
- Polyphosphazenes
 - Chemical technology: TP248.P675
- Polypropylene
 - Plastics: TP1180.P68
- Polypropylene textile fibers: TS1548.7.P6
- Polysaccharides
 - Biotechnology: TP248.65.P64
 - Chemical technology: TP248.P68
 - Food constituent: TX553.P65
 - Food constituents: TP453.P64
 - Gums and resins: TP979.5.P6
- Polystyrene
 - Plastics: TP1180.S7
- Polysulphides
 - Plastics: TP1180.P685
- Polytetrafluorethylene
 - Plastics: TP1180.P7
- Polythylene glycols
 - Environmental pollutants: TD196.P67
- Polyurethanes
 - Plastics: TP1180.P8
 - Textile fibers: TS1548.7.P63
- Polyvinyl plastics: TP1180.V48
- Pomegranates
 - Cooking: TX813.P64

INDEX

- Ponds
 - Water supply source: TD392
- Pontiac automobile: TL215.P68
- Pontoon bridges
 - Bridge engineering: TG450
- Poor
 - Nutrition: TX361.P66
 - Photographic portraits: TR681.P6
- Popcorn
 - Cooking: TX814.5.P66
- Poppies
 - Cooking: TX814.5.P76
- Porcelain
 - Ceramic technology: TP822
- Porch roofs
 - Building construction: TH2425
- Pork
 - Cooking: TX749.5.P67
 - Food values: TX556.P8
- Porosity and denseness
 - Engineering materials: TA418.82
- Porous materials
 - Engineering materials: TA418.9.P6
- Porridge
 - Cooking: TX809.P67
- Portable buildings
 - Building construction: TH1098
- Portable engines: TJ710
- Portable radios: TK6564.P6
- Porter
 - Brewing and malting: TP578
- Portland cement
 - Cement manufacture: TP883
- Portland cement concrete: TA439+
- Portrait photography: TR575+
- Portraits
 - Artistic photography: TR680+
- Posing guides
 - Portrait photography: TR577
- Positioners
 - Control engineering: TJ223.P67
- Positioning systems, Micro-
 - Control engineering: TJ223.P67
- Positives
 - Photographic processing: TR320+, TR540+
- Post-tensioned prestressed concrete
 - Masonry materials: TA444.53
- Post-tensioned prestressed concrete construction:
 - TA683.94
- Posters
 - Industrial safety: T55.3.P67
- Postfix (Electronic mail system): TK5105.74.P66
- Potash-bearing rocks and plants
 - Mining engineering: TN919
- Potassium
 - Chemical technology: TP245.P8
 - Ore dressing and milling: TN538.P6
- Potassium
 - Prospecting: TN271.P6
- Potassium salts
 - Mining engineering: TN919
- Potato chip industry
 - Waste control: TD899.P6
- Potato peeling machines
 - Cooking: TX657.P6
- Potato printing
 - Decorative crafts: TT868
- Potatoes
 - Cooking: TX803.P8
 - Food processing and manufacture: TP444.P6
 - Food values: TX558.P8
 - Nutrition: TX401.2.P67
- Potential meters and measurements
 - Electrical engineering: TK321
- Potentiometer
 - Electronics: TK7872.P6
- Potpourris (Scented floral mixtures)
 - Decorative crafts: TT899.4
- Pottery
 - Chemical technology: TP807+
 - Chemistry of: TP810
- Pottery craft
 - Decorative crafts: TT919+
- Pottery machinery: TP817
- Potting compounds
 - Aeronautics: TL699.P7
 - Electronics: TK7871.15.P65
- Poultry
 - Cooking: TX750+
 - Food values: TX556.P9
 - Nutrition: TX375
- Poultry houses
 - Building construction: TH4930
- Poultry industry
 - Waste control: TD899.P65
- Poultry processing
 - Manufactures: TS1968
- Powder coating
 - Metal finishing: TS699
- Powder coating of metals: TS699
- Powder magazines
 - Explosives: TP295
- Powder metallurgy
 - Metal manufactures: TS245
 - Metallurgy: TN695+
- Powders
 - Plastics: TP1183.P68
- Power
 - Mechanical engineering: TJ163.6+
- Power amplifiers: TK7871.58.P6
- Power and power transmission
 - Machinery exclusive of prime movers: TJ1045+
- Power electronics: TK7881.15
- Power factor meters: TK351

INDEX

- Power hammers
 - Machine shops: TJ1305+
- Power meters and measurements
 - Electrical engineering: TK351
- Power plants
 - Air pollution: TD888.P67
 - Airports: TL725.3.P67
 - Building construction: TH4581+
 - Electric lighting: TK4399.P6
 - Electrical engineering: TK1191+
 - Energy conservation: TJ163.5.P68
 - Noise control: TD893.6.P68
 - Ventilation: TH7684.P7
 - Water pollution: TD428.P67
- Power plants, Atomic
 - Water pollution: TD428.A86
- Power plants, Coal-fired
 - Water pollution: TD428.C58
- Power plants, Hydraulic: TJ845+
- Power plants, Nuclear: TK1341+
- Power plants, Pumped storage: TK1083
- Power plants, Solar: TK1545
- Power plants utilizing heat energy: TK1221+
- Power plants utilizing other power: TK1560
- Power plants utilizing waterpower: TK1421+
- Power plants utilizing wind: TK1541
- Power production
 - Telegraph: TK5371
 - Telephone: TK6271+
- Power production and distribution
 - Electric railways: TF863
- Power resources
 - Mechanical engineering: TJ163.13+
- Power resources development
 - Environmental effects: TD195.E49
- Power spectra
 - Engineering mathematics: TA348
- Power supply
 - Computer engineering: TK7895.P68
 - Electronic circuits: TK7868.P6
 - High speed ground transportation: TF1480
 - Telecommunication: TK5103.17
- Power tools
 - Handicrafts: TT153.5
- Power trains
 - Motor vehicles: TL260+
- Power transmission machinery
 - Machinery exclusive of prime movers: TJ1051
- Power transmission systems
 - Electric railways: TF880+
- Power transmission, Wireless
 - Electric power transmission: TK3088
- PPP
 - Computer network protocols: TK5105.582
- Practical mining operations: TN275+
- Praseodymium
 - Chemical technology: TP245.P9
- Pre-tensioned prestressed concrete
 - Masonry materials: TA444.52
- Precast concrete
 - Housing material: TH4818.P7
 - Roads: TE278.8
- Precast concrete construction: TH1498
- Precast concrete industry
 - Noise control: TD893.6.P74
- Precast construction
 - Reinforced concrete construction: TA683.7
- Precious metals
 - Assaying: TN580.P74
 - Manufactures: TS720+
 - Metallography: TN693.P7
 - Metallurgy: TN759+
 - Ore deposits and mining: TN410+
- Precious stones
 - Jewelry manufacture: TS747+
 - Machine tools: TJ1193
- Precipitation
 - Chemical engineering: TP156.P7
- Precipitation, Chemical
 - Sewage purification: TD751
- Precise leveling
 - Surveying: TA607
- Precooked meat
 - Food values: TX556.M43
- Predetermined motion time systems
 - Industrial engineering: T60.5+
- Predictive control
 - Mechanical engineering: TJ217.6
- Prefabricated bridges: TG418
- Prefabricated buildings
 - Building construction: TH1098
- Prefabricated construction: TH4819.P7
- Pregnant women
 - Photographic portraits: TR681.P67
- Preliminary processes
 - Cotton manufactures: TS1577
 - Spinning
 - Textile industries: TS1480+
- Preliminary surveying: TF213
- Preparation of coal: TN816.A1+
- Prepared cereals: TX395
- Prepared foods
 - Nutrition: TX389
- Prepayment meters
 - Electrical engineering: TK396
- Preschool children
 - Nutrition: TX361.P74
- Preservation
 - Motion picture film: TR886.3
- Preservation of foods in the home: TX599+
- Preservation of land from the sea: TC343+
- Preservation of wood: TA422+
- Preservation techniques
 - Food processing: TP371.2+

INDEX

- Preservatives
 - Wine and winemaking: TP548.5.P7
- Presidents' Day decorations
 - Decorative crafts: TT900.P74
- Press-tool work
 - Metal manufactures: TS253
- Pressed brick
 - Chemical technology: TP831
- Pressed-earth building construction: TH1421
- Presses
 - Lifting machinery: TJ1450+
- Pressing
 - Men's clothing: TT583
 - Paper manufacture: TS1118.P74
- Pressing machinery
 - Mechanical engineering: TJ1425+
- Pressure
 - Aerodynamics: TL574.P7
- Pressure airships: TL656+
- Pressure cooker recipes: TX840.P7
- Pressure distribution
 - Aerodynamics: TL574.P7
- Pressure gages
 - Steam boilers: TJ370+
- Pressure-impregnation
 - Preservation of wood: TA424.4
- Pressure instruments
 - Aeronautical instruments: TL589.2.P7
- Pressure packaging: TS198.P7
- Pressure processes
 - Chemical engineering: TP156.P75
- Pressure regulators
 - Furnaces: TJ357
- Pressure-sensitive adhesives
 - Organic chemical industries: TP971
- Pressure suits
 - Aeronautics: TL697.P7
- Pressure tunneling
 - Railway construction: TF232
- Pressure vessels
 - Metal manufactures: TS283
 - Structural engineering: TA660.T34
- Pressure welding: TS228.9
- Pressurization
 - Airplanes: TL681.P7
- Pressurized water reactors
 - Nuclear engineering: TK9203.P7
- Prestressed concrete
 - Masonry materials: TA444.5
 - Roads: TE278.6
- Prestressed concrete construction: TA683.9+
- Prestressed construction
 - Structural engineering: TA665
- Pretreatment of saline waters
 - Saline water conversion: TD479.8
- Pretzels
 - Cooking: TX770.P73
- Prevention of accidents
 - Aeronautics: TL553.5+
- Pricelists
 - Children's clothing: TT645
 - Men's clothing: TT620+
 - Millinery: TT665
- Prices
 - Building construction: TH11
 - Heating of buildings: TH7337
 - Hotels, clubs, restaurants, etc.: TX911.3.P7
 - Pipefittings: TH6723
- Primary cells
 - Electrical engineering: TK2921
- Primates
 - Nature photography: TR729.P74
- Prime movers
 - Machinery: TJ250+
- Primitive construction: TH16
- Primitive pumps
 - Hydraulic machinery: TJ901
- Principles of mechanism
 - Mechanical engineering: TJ175
- Printed circuits
 - Electronic circuits: TK7868.P7
- Printed circuits industry
 - Air pollution: TD888.P73
 - Waste control: TD899.P69
- Printed electronics: TK7872.P75
- Printers' ink
 - Chemical technology: TP949+
- Printing
 - Color photography: TR545
 - Decorative crafts: TT866.5+
 - Metal finishing: TS719
 - Packaging: TS196.7
 - Telegraph: TK5543
- Printing industry
 - Environmental effects: TD195.P7
 - Waste control: TD899.P7
- Printing machinery
 - Electric driving: TK4059.P74
- Printing of positives
 - Photographic processing: TR330+
- Printing plants
 - Air conditioning: TH7688.P7
 - Building construction: TH4536.5
 - Noise control: TD893.6.P75
 - Ventilation: TH7684.P75
- Printing presses
 - Electric driving: TK4059.P74
- Printout equipment
 - Computer engineering: TK7887.7
- Prisoners
 - Photographic portraits: TR681.P69
- Prisons
 - Environmental effects: TD195.P74
 - Heating and ventilation: TH7392.P8

INDEX

- Private aircraft
 - Airports: TL725.3.P7
- Private electric-light plants for country houses: TK4395
- Private fire departments
 - Fire prevention and extinction: TH9447
- Private flying
 - Airplanes: TL721.4
- Private planes: TL685.1
- Privies
 - Building construction: TH4975
 - Sewage disposal: TD775
- Prizes
 - Cooking: TX648
- Probabilistic methods
 - Engineering mathematics: TA340
- Probability of safety
 - Structural analysis: TA656.5
- Probability theory
 - Industrial engineering: T57.3+
- Probes
 - Electronic instruments: TK7878.6
- Process control
 - Production management: TS156.8
- Process engineering
 - Production management: TS176+
- Process planning
 - Manufacturing engineering: TS183.3+
- Process recorders
 - Electrical engineering: TK393
- Processing methods
 - Wood: TS936
- Processing of exposed film
 - Cinematography: TR886.2
- Procmail (Electronic mail system): TK5105.74.P76
- Producer gas
 - Gas industry: TP761.P9
- Product configuration
 - Product design: TS171.55
- Product design
 - Product engineering: TS171+
- Product engineering
 - Production management: TS170+
- Product safety
 - Product engineering: TS175
- Product testing
 - Product engineering: TS175.5
- Production capacity
 - Industrial engineering: T58.7+
- Production control
 - Food processing and manufacture: TP372.7
 - Production management: TS157+
 - Sugar processing: TP380
- Production lines
 - Manufacturing engineering: TS178.4+
- Production management: TS155+
- Production of electric energy: TK1001+
 - Diesel engine electric plants: TK1075
- Production of electric energy
 - Direct-current engineering: TK1111+
 - Gas turbine power plants: TK1076
 - Ocean thermal energy conversion: TK1073
 - Production from atomic power: TK1078
 - Production from gas: TK1061
 - Production from geothermal energy: TK1055
 - Production from steam (Coal): TK1051
 - Production from waterpower: TK1081+
- Production of electricity
 - Chemical action: TK2901+
 - Direct energy conversion devices: TK2896+
- Production planning
 - Production management: TS176+
- Production standards
 - Industrial engineering: T60.3+
 - Machine shops: TJ1143
 - Textile industries: TS1450.5
- Production systems, Control of
 - Production management: TS155.8+
- Productivity
 - Industrial engineering: T58.8
- Profiles
 - Railroad surveying: TF214
- Profils d'ailes
 - Aerodynamics: TL574.A4
- Programmable controllers
 - Control engineering: TJ223.P76
- Programmed instruction
 - Technical education: T65.5.P7
- Programming
 - Industrial engineering: T57.7+
 - Mechanical engineering: TJ211.45
- Project Apollo: TL789.8.U6A5
- Project Gemini: TL789.8.U6G4
- Project management
 - Industrial engineering: T56.8
- Project Mariner: TL789.8.U6M3
- Project Mercury: TL789.8.U6M4
- Project Pioneer: TL789.8.U6P56
- Project Ranger: TL789.8.U6R3
- Project SNAP
 - Space vehicles: TL1102.N8
- Project Surveyor: TL789.8.U6S9
- Projection
 - Cinematography: TR890
 - Mechanical drawing: T362+
- Projectors
 - Photography: TR506+
- Projects for boys
 - Handicrafts: TT159+
- Projects for girls and boys
 - Handicrafts: TT159+
- Proline
 - Chemical technology: TP248.P73
- Promethium
 - Chemical technology: TP245.P94

INDEX

- Propaganda balloons: TL633
- Propane
 - Gas industry: TP761.P94
- Propellers
 - Aeronautical engineering: TL705+
 - Models: TL777
- Properties of soils: TA710+
- Propylene
 - Chemical technology: TP248.P75
- Prorating tables
 - Freight: TF666
- Prospecting: TN270+
 - Use of airplanes: TL722.4
- Prostitutes
 - Photographic portraits: TR681.P73
- Protection against corrosion
 - Iron and steel: TA467
 - Metals: TA462
- Protection against sand
 - Railway operation: TF541
- Protection against snow
 - Railway operation: TF542
- Protection from fire
 - Building construction: TH9111+
- Protection from water
 - Fire prevention and extinction: TH9431
- Protection of structures
 - Engineering: TA900
- Protective clothing
 - Fire prevention and extinction: TH9395+
 - Industrial safety: T55.3.P75
- Protective coatings
 - Electrical engineering: TK454.4.P7
 - Engineering materials: TA418.76
- Proteins
 - Biotechnology: TP248.65.P76
 - Chemical technology: TP248.P77
 - Food constituent: TX553.P7
 - Food constituents: TP453.P7
- Protoactinium
 - Chemical technology: TP245.P95
- Proton exchange membrane fuel cells
 - Electrical engineering: TK2933.P76
- Prototyping
 - Product design: TS171.8
- Protozoan biotechnology: TP248.27.P75
- Provençal cooking: TX719.2.P75
- Proving grounds
 - Environmental effects: TD195.P76
- Proximity detectors
 - Electronics: TK7882.P7
- Prunes
 - Cooking: TX813.P78
 - Food processing and manufacture: TP441.P7
- Psychiatric hospital patients
 - Photographic portraits: TR681.P76
- Psychological aspects
 - Fatigue: T59.72
- Psychological examination
 - Drivers: TL152.35
- Psychology
 - Motor vehicle drivers: TL152.3+
 - Photography: TR183
- Public buildings
 - Air conditioning: TH7688.P78
 - Artificial lighting: TH7975.P82
 - Building construction: TH4021+
 - Building operation and housekeeping: TX985
 - Electric lighting: TK4399.P8
 - Fire prevention and extinction: TH9445.P8
 - Heating and ventilation: TH7392.P9
 - Sanitary engineering: TH6057.P8
 - Ventilation: TH7684.P8
- Public housing
 - Environmental effects: TD195.P82
- Public land
 - Surveying: TA622
- Public relations
 - Hotels, clubs, restaurants, etc.: TX911.3.P77
- Public safety radio service: TK6570.P8
- Public school closings
 - Environmental effects: TD195.S333
- Public shelters
 - Air conditioning: TH7688.P8
- Public toilets
 - Plumbing: TH6515.P9
- Public utilities
 - Environmental effects: TD195.P83
- Puddings
 - Cooking: TX773
- Puddling and puddling furnaces
 - Wrought iron: TN725
- Pulleys
 - Mechanical engineering: TJ1103
- Pulp
 - Analysis: TS1176.6.A5
- Pulp, Bleaching of
 - Woodpulp industry: TS1176.6.B6
- Pulp consistency transmitters
 - Paper manufacture: TS1118.P85
- Pulp mills
 - Air pollution: TD888.P8
 - Building construction: TH4536
 - Energy conservation: TJ163.5.P37
 - Environmental effects: TD195.P37
- Pulping processes
 - Paper manufacture: TS1171+
- Pulque
 - Fermented beverage: TP588.P8
- Pulse
 - Electronic circuits: TK7868.P8
- Pulse amplifiers: TK7871.58.P8
- Pulse compression radar: TK6592.P85

INDEX

Pulse generators
 Electronics: TK7872.P8

Pulse plating
 Electroplating: TS671

Pulsed power systems
 Electrical engineering: TK2986

Pulsed reactors
 Nuclear engineering: TK9203.P8

Pulsometers
 Hydraulic machinery: TJ921

Pultrusion
 Plastics: TP1175.P84

Pulverized coal
 Fuel: TP328

Pumice
 Mining engineering: TN948.P74

Pump placing
 Cement and concrete construction: TA682.45

Pumped storage power plants: TK1083

Pumping
 Chemical engineering: TP156.P8

Pumping by compressed air
 Hydraulic machinery: TJ925

Pumping machinery
 Chemical technology: TP159.P8
 Electric driving: TK4059.P85
 Hydraulic machinery: TJ899+

Pumping stations
 Sewers: TD725
 Water distribution systems: TD485+

Pumpkin
 Cooking: TX803.P93

Pumpkinseed oil
 Chemical technology: TP684.P85

Pumps
 Hydraulic machinery: TJ899+
 Water distribution systems: TD482

Punch work
 Metal manufactures: TS253

Punches
 Beverages
 Cooking: TX817.P86

Punching machinery: TJ1255+

Punkas
 Ventilation of buildings: TH7683.P8

Punks
 Photographic portraits: TR681.P84

Puppets
 Handicrafts: TT174.7

Purchasing
 Airplanes: TL671.85
 Hotels, clubs, restaurants, etc.: TX911.3.P8

Pure-culture yeast
 Brewing and malting: TP581

Pure food shows
 Nutrition: TX346.A1+

Purification
 Chemical engineering: TP156.P83
 Gas industry: TP754
 Sewage disposal systems: TD745+

Purification, Water
 Environmental technology: TD429.5+

Purple
 Textile dyes: TP925.P9

Push technology
 Internet: TK5105.887

Pusher propellers: TL706.P8

Putty
 Chemical technology: TP941

Pyrdine
 Chemical technology: TP248.P8

Pyrite
 Mining engineering: TN948.P8

Pyrites
 Prospecting: TN271.P9

Pyrochlore
 Mining engineering: TN948.P82

Pyrography
 Woodworking: TT199.8

Pyrolysis
 Chemical engineering: TP156.P9

Pyrometallurgy: TN688.5
 Ferrous metals: TN706.5

Pyrophyllite
 Mining engineering: TN948.P85

Pyrotechnics: TP300+
 Rockets: TL784.P9

Pyrotechnics and explosives
 Chemical technology: TP267.5+

Q

Qanats
 Groundwater: TD404.7

Qmail (Electronic mail system): TK5105.74.Q43

QS-9000
 Motor vehicles: TL278.5

Quadraphonic sound systems
 Electronics: TK7881.8+

Quadratic programming
 Industrial engineering: T57.82

Quadruple expansion
 Steam engines: TJ505

Quadruplex telegraph system: TK5535

Quail
 Cooking: TX750.5.Q34

Qualities of water: TD370+

Quality assurance
 Production management: TS156.6

Quality control
 Building construction: TH438.2
 Chemical technology: TP150.Q34
 Electric power system stability: TK1010

INDEX

Quality control
Electrical engineering: TK5102.84
Electronics: TK7874.58
Engineering materials: TA403.6
Food processing: TP372.5+
Fur manufactures: TS1063
Hotels, clubs, restaurants, etc.: TX911.3.Q34
Machinery: TJ245.5
Paper manufacture: TS1107
Production management: TS156+
Quality control standards
Production management: TS156.16+
Quality of service
Computer networks: TK5105.5956
Quality standards
Motor vehicles: TL278.5
Quantitative methods
Industrial engineering: T57+
Quantities
Engineering economy: TA183
Heating of buildings: TH7335+
Masonry construction: TH5330
Plumbing: TH6234+
Quantities and costs
Bridge engineering: TG313
Building construction: TH434+
Carpentry and joinery: TH5614+
Commercial buildings: TH4315
Houses: TH4815.8
Quantity meters and measurements
Electrical engineering: TK341
Quantum communications
Telecommunication: TK5103.592.Q83
Quantum dots: TK7874.88
Quantum systems: TK7874.839+
Quantum systems control: TK7874.885
Quarries
Dangers and accidents: TN311+
Dust removal: TH7697.Q37
Environmental effects: TD195.Q3
Mining: TN277
Noise control: TD893.6.Q35
Quartz
Electronics: TK7871.15.Q3
Mining engineering: TN948.Q3
Prospecting: TN271.Q4
Quays
Harbor engineering: TC357
Quenching
Steel metallurgy: TN752.Q4
Questions
Building construction: TH166
Queuing theory
Industrial engineering: T57.9
Quick and easy cooking: TX833.5
Quilting
Handicrafts: TT835+

Quilts
Handicrafts: TT835+
Quinoa
Cooking: TX809.Q55
Food values: TX558.Q56

R

R Markdown
Web authoring software: TK5105.8885.M39
Rabbit
Cooking: TX749.5.R32
Racetracks (Automobile)
Construction: TE305
Racetracks (Horse racing)
Environmental effects: TD195.R26
Racing automobiles: TL236+
Racing motorcycles: TL442+
Racing planes: TL685.6
Rack railroads: TF684
Racks and pinions
Toothed gears: TJ190
Radar: TK6573+
Aeronautical navigation equipment: TL696.R2
Aircraft communication: TL693+
Aircraft navigation equipment: TL695+
Radar air traffic control systems
Aeronautical navigation equipment: TL696.R25
Radiant floor heating: TH7535.5
Radiant heaters
Local heating: TH7434.5+
Radiation accidents: TK9152+
Radiation effects
Engineering materials: TA418.6
Radiation environment procedures and equipment
Nuclear engineering: TK9151.4+
Radiation safety
Airports: TL725.3.R3
Radiation shielding
Space vehicles: TL1490
Radiation tests
Engineering materials: TA418.6
Radiative heating
Heating of buildings: TH7421+
Radiator coils: TH7482+
Radiators
Aircraft engines: TL702.R3
Convective heating: TH7449+
Gasoline automobiles: TL214.R3
Hot water heating: TH7547
Hydronic systems: TH7480+
Steam heating: TH7597
Radio
Aircraft communication: TL693+
Aircraft navigation equipment: TL695+
Amateurs' manuals: TK9956+
Apparatus: TK6560+

INDEX

- Radio
 - Electrical engineering: TK6540+
 - Railway signaling: TF627+
 - Space vehicles: TL3035
- Radio and television towers: TK6565.R32
- Radio compass
 - Aeronautical navigation: TL696.C7
- Radio control: TK6570.C6
- Radio control systems
 - Models and modelmaking: TT154.5
- Radio data systems: TK6570.R27
- Radio frequency identification systems: TK6570.I34
- Radio frequency integrated circuits: TK7874.78
- Radio measurements
 - Electronics: TK6552.5
- Radio photographs: TK6600
- Radio receiving apparatus: TK6563+
- Radio resource management: TK5103.4873
- Radio stations: TK6557.5+
 - Aircraft navigation: TL695.5
 - Building construction: TH4655
 - Directories: TK6555
- Radio transmitter-receivers: TK6564.3+
- Radioactive measurements
 - Control engineering: TJ223.R3
- Radioactive metals
 - Air pollutants: TD887.R3
- Radioactive minerals
 - Ore deposits and mining: TN490.A3
 - Prospecting: TN271.R33
- Radioactive pollution
 - Environmental pollutants: TD196.R3
 - Soil pollutants: TD879.R34
- Radioactive prospecting: TN269.7
- Radioactive substances
 - Fire prevention and extinction: TH9446.R3
 - Nuclear engineering: TK9400+
 - Transportation: TK9152.17
 - Water pollutants: TD427.R3
- Radioactive waste disposal
 - Industrial wastes: TD897.85+
 - Solid wastes: TD812+
- Radioactive waste sites: TD898.15+
- Radioactive waste treatment facilities: TD898.16
- Radioactivity
 - Effect on food: TX571.R3
- Radiochemistry
 - Nuclear engineering: TK9350
- Radiographic examinations
 - Testing of materials: TA417.25
- Radiography
 - Photography: TR750
- Radioisotope components
 - Aircraft: TL689
- Radioisotope technology
 - Aircraft: TL689
- Radioisotopes
 - Nuclear engineering: TK9400+
- Radiotelegraph
 - Electrical engineering: TK5700+
 - Stations: TK5771
 - Systems and instruments: TK5811+
- Radiotelephone: TK6553
- Radishes
 - Cooking: TX803.R33
- Radium
 - Chemical technology: TP245.R2
 - Ore deposits and mining: TN490.R3
- RADIUS
 - Computer network protocols: TK5105.5825
- Radomes
 - Radar: TK6590.R3
- Radon
 - Air pollutants: TD885.5.R33
 - Environmental pollutants: TD196.R33
- Raffia
 - Decorative crafts: TT875
 - Textile fiber: TS1747.R2
- Rafter gages
 - Building construction: TH2397
- Rafter tables
 - Building construction: TH2398
- Rafters
 - Building construction: TH2393
- Ragweed seed oil
 - Chemical technology: TP684.R23
- Rail bonds
 - Electric railways: TF873
- Rail fastenings
 - Railway construction: TF261
- Railroad buildings
 - Heating and ventilation: TH7392.R3
- Railroad car furnishings: TF440
- Railroad cars
 - Utilization and care: TF600+
- Railroad employees
 - Training and education: TF518
- Railroad engineering and operation: TF1+
- Railroad repair shops
 - Electric power: TK4035.R3
 - Ventilation: TH7684.R3
- Railroad structures
 - Heating and ventilation: TH7392.R3
- Railroad surveying: TF210+
- Railroads
 - Environmental effects: TD195.R33
 - Noise control: TD893.6.R3
 - Photography: TR715
 - Radio: TK6570.R3
 - Waste control: TD899.R26
- Railroads, Model
 - Photography: TR715

INDEX

- Rails
 - Electric railways: TF872
 - Railway construction: TF258+
- Railway bridges: TG445
- Railway construction: TF200+
- Railway docks: TF315
- Railway equipment and supplies: TF340+
- Railway ferries: TF320
- Railway machinery and tools: TF350
- Railway motors
 - Electric railways: TF935
- Railway operation and management: TF501+
- Railway patents: TF365
- Railway shops: TF376
- Railway structures and buildings: TF270+
- Rain gardens
 - Urban runoff: TD657.4
- Rain loads
 - Architectural engineering: TH893
- RaiNews24: TK5105.885.R34
- Rainmaking
 - Environmental effects: TD195.R34
- Rainwater
 - Water supply: TD418
- Raisins
 - Cooking: TX813.R34
- Rally cars: TL236.4
- Raman fiber lasers
 - Applied optics: TA1699
- Raman lasers
 - Applied optics: TA1699
- Ramie
 - Textile fiber: TS1544.R2, TS1747.R3
- Ramjet engines
 - Aeronautics: TL709.3.R3
- Ramps
 - Building design and construction: TH2259
- Random access memory
 - Computer engineering: TK7895.M4
- Range
 - Aeronautical navigation equipment: TL696.R3
- Range water heaters
 - Plumbing: TH6553+
- Ranger project: TL789.8.U6R3
- Ranges
 - Cooking: TX657.S3+
 - Metal manufactures: TS425
- Rape oil
 - Adulteration: TX595.R37
 - Chemical technology: TP684.R3
- Rapid solidification processing
 - Metal manufactures: TS247
- Rapid transit question: TF710+
- Rare earth metal alloys
 - Metallography: TN693.R3
 - Metallurgy: TN799.R37
- Rare earth metals
 - Engineering materials: TA480.R3
- Rare earths
 - Engineering materials: TA418.9.R37
 - Mining: TN490.A2
 - Prospecting: TN271.A2
- Rare gases
 - Chemical technology: TP244.R3
- Rare metals
 - Mining: TN490.A2
 - Prospecting: TN271.A2
- Raspberries
 - Cooking: TX813.R37
- Rate of climb indicator
 - Aeronautical instruments: TL589.2.R3
- Rate tables
 - Railroad freight: TF664
- Rates
 - Hotels, clubs, restaurants, etc.: TX911.3.R3
- Rates, Water: TD360
- Rattan furniture
 - Woodworking: TT197.8
- Rattan work
 - Decorative crafts: TT876.5
- Raw foods: TX742
- Rayon
 - Silk manufactures: TS1688.A1+
 - Textile fiber: TS1544.R3
- Razors
 - Barbering: TT967
- RDX
 - Explosives: TP290.R39
- REAC computer: TK7889.R4
- Reaction injection molding
 - Plastics: TP1151.R43
- Reactor fuel reprocessing plants
 - Air pollution: TD888.R4
 - Environmental effects: TD195.R4
 - Waste control: TD899.R3
- Reactor fuels
 - Nuclear engineering: TK9360+
- Read only memory
 - Computer engineering: TK7895.M4
- Reading machines
 - Computer engineering: TK7887.8.R4
- Reading the clock: TS548
- Reagents
 - Metallurgical equipment: TN678.5
- Real-time control
 - Mechanical engineering: TJ217.7
- Reamers
 - Machine shops: TJ1270
 - Machine tools: TJ1186
- Reapers
 - Agricultural machinery: TJ1485
- Rebuilding
 - Building construction: TH3401+

INDEX

- Receipts
 - Home economics: TX151+
- Receivers, Telephone: TK6481
- Receiving
 - Aircraft communication equipment: TL694.R4
- Receiving apparatus
 - Radar: TK6588
 - Television: TK6653
- Recharge, Artificial
 - Groundwater: TD404
- Recharge of groundwaters
 - Disposal of sewage effluent: TD765
- Rechargeable batteries
 - Electrical engineering: TK2941
- Recipe books
 - Cooking: TX765
- Recipes for barbers (for hair preparations): TT977
- Reciprocating engines of unusual form: TJ717
- Reciprocating pumps
 - Hydraulic machinery: TJ915
- Reciprocating steam engines: TJ485+
- Reclamation of bogs, swamps, lakes, etc.: TC975
- Reclamation of land from the sea: TC343+
- Reclamation of oil: TP687
- Reclamation of wasteland: TC801+
- Reconnaissance
 - Railroad surveying: TF212
 - Railway construction: TF200
- Recorders, Digital video
 - Television: TK6655.D54
- Recording apparatus
 - Radio: TK6565.R4
- Recording meters
 - Electrical engineering: TK393
- Recording telephones: TK6500
- Records
 - Highway engineering: TE185
- Recovery of wastes
 - Precious metals: TS729
- Recreation areas
 - Electric lighting: TK4399.R4
 - Sanitary engineering: TD931
- Recreation buildings
 - Building construction: TH4711
- Recreation rooms
 - Building design and construction: TH3000.R43
- Recreational vehicle living: TX1110
- Rectangular wings
 - Airplanes: TL673.R4
- Rectification
 - Chemical engineering: TP156.R35
- Rectifiers
 - Electronics: TK7872.R35
 - Radio: TK6565.R42
- Recycle processes
 - Chemical engineering: TP156.R38
- Recycling
 - Industrial and factory wastes: TD897.845
 - Municipal refuse: TD794.5+
 - Plastics: TP1175.R43
- Red One motion picture camera: TR883.R43
- Redheads
 - Photographic portraits: TR681.R44
- Reduced gravity
 - Testing of materials: TA417.7.R43
- Reduced gravity environments
 - Applied fluid mechanics: TA357.5.R44
- Reducing valves
 - Steam powerplants: TJ433
- Reduction
 - Chemical engineering: TP156.R4
 - Photographic negatives: TR299
 - Photographic processing: TR475
- Reduction gears
 - Mechanical movements: TJ202
- Reductions
 - Industrial photography: TR910
- Reed
 - Engineering materials: TA455.R4
- Reentry communications
 - Astrionics: TL3028
- Refineries: TP690.3
 - Building construction: TH4571
- Refinery equipment: TP690.3
- Refinery processes
 - Wrought iron: TN725
- Refining
 - Paper manufacture: TS1118.R4
- Refinishing
 - Woodworking: TT199.4
- Reflectors
 - Lighting fixtures: TH7970.R4
- Reflex cameras
 - Photography: TR261
- Refractories
 - Architectural ceramics: TP838
- Refractories industry
 - Dust removal: TH7697.R4
 - Waste control: TD899.R34
- Refractory coating
 - Metal finishing: TS695.9
- Refractory materials: TA418.26
 - Metallurgical furnaces: TN677.5
- Refractory transition metal compounds
 - Metallography: TN693.T7
- Refrigerants
 - Chemical technology: TP492.8+
- Refrigeration
 - Chemical technology: TP490+
- Refrigeration and icemaking machinery: TP495+
- Refrigeration and refrigerating machinery
 - Electric power: TK4035.R4

INDEX

- Refrigerator cars
 - Railway equipment: TF477
- Refrigerator drainage
 - Plumbing: TH6671.R3
- Refrigerator service
 - Freight: TF667
- Refrigerators: TP496+
- Refueling
 - Airplanes: TL711.R4
- Refugees
 - Photographic portraits: TR681.R48
- Refuse disposal
 - Low temperature sanitary engineering: TD949
 - Rural sanitary engineering: TD929+
- Refuse drainage
 - Low temperature sanitary engineering: TD949
- Registers
 - Hydrodynamics: TC177
 - Ventilation of buildings: TH7683.R4
 - Warm-air heating: TH7626
- Regulation
 - Explosives: TP297.A+
 - Hydraulic engineering: TC530+
 - Locomotive boilers: TJ642
- Regulation and control of power
 - Machinery exclusive of prime movers: TJ1055
- Regulation devices
 - Gas engines: TJ775
- Regulators
 - Building gas supply: TH6875
 - Central heating: TH7466.5
 - Dynamoelectric machinery: TK2851
 - Hydraulic machinery: TJ857
 - Sewer appurtenances: TD701
- Reinforced concrete
 - Fire-resistive building construction: TH1087
 - Housing material: TH4818.R4
 - Masonry materials: TA444+
 - Pavements: TE278+
- Reinforced concrete bridges: TG340
 - Continuous girder bridges: TG414
- Reinforced concrete construction
 - Building construction: TH1501
 - Structural engineering: TA682.92+
- Reinforced materials
 - Engineering materials: TA418.9.R4
- Reinforced plastics: TP1177+
 - Engineering materials: TA455.P55
- Reinforcing bars
 - Corrosion: TA445.5
 - Reinforced concrete construction: TA683.42
- Reinforcing materials
 - Fire-resistive-building construction: TH1088
- Relativistic effects in astrodynamics: TL1055
- Relativistic rocket mechanics: TL1055
- Relay (Artificial satellite): TK5104.2.R4
- Relay control systems
 - Mechanical engineering: TJ218.5
- Relays
 - Dynamoelectric machinery: TK2861
 - Electronics: TK7872.R38
 - Telegraph: TK5581+
- Reliability
 - Computer networks: TK5105.5956
 - Electronics: TK7870.23
 - Industrial products
 - Product engineering: TS173
 - Petroleum pipelines: TN879.55
 - Rockets: TL784.R4
- Relief processes
 - Photography: TR970
- Relief wells
 - Drainage: TC973
- Religious institutions
 - Energy conservation: TJ163.5.C57
- Religious leaders
 - Photographic portraits: TR681.R56
- Remanufacturing: TS183.8
- Remediation, Electrochemical
 - Soil remediation: TD878.47
- Remington rifles: TS536.6.R44
- Remodeling
 - Building construction: TH3401+
 - Houses: TH4816+
- Remote access
 - Computer networks: TK5105.597
- Remote handling
 - Nuclear engineering: TK9151.6+
- Remote sensing
 - Environmental technology: TD158
 - Petroleum geology: TN870.55
- Remotely operated vehicles
 - Ocean engineering: TC1662
- Removal of dissolved minerals
 - Water purification: TD466
- Removal of sand
 - Railway operation: TF541
- Removal of snow and ice
 - Railway operation: TF542
- Removal of weeds
 - Railway operation: TF546
- Removal of wrecks
 - Railway operation: TF544
- Renault automobile: TL215.R4
- Rendering apparatus
 - Lard manufactures: TS1981
- Renewable energy sources: TJ807+
- Renewal theory
 - Industrial engineering: T57.33
- Renovating
 - Hats: TS2193
- Repair
 - Airplanes: TL671.9

INDEX

- Repair
 - Building construction: TH3401+
 - Building gas supply: TH6860
 - Buses: TL232.2
 - Cycles: TL430
 - Hotels, clubs, restaurants, etc.: TX928
 - Houses: TH4817+
 - Motor vehicle operation: TL152+
 - Motorcycles: TL444
 - Petroleum pipelines: TN879.58
 - Plumbing: TH6681+
 - Railway permanent way: TF530+
 - Sewers: TD716+
 - Tractors: TL233.2
 - Trucks: TL230.2
- Repair of machinery
 - Mechanical engineering: TJ174
- Repair shops
 - Airports: TL725.3.R4
 - Railroads: TF376
- Repairing
 - Furniture: TT199
 - Handicrafts: TT151
 - Men's clothing: TT583
 - Radio: TK6553
- Repairing and adjusting
 - Watches and clocks: TS547
- Repeating firearms
 - Manufactures: TS536
- Replacement
 - Equipment analysis: TS181.6
- Reporting and forecasting
 - Aeronautical meteorology: TL557.R4
- Reporting, Environmental: TD194.8+
- Reprocessing
 - Nuclear engineering: TK9360+
- Reproduction paper: TS1167
- Reptiles
 - Nature photography: TR729.R47
- Rescue work
 - Fire extinction: TH9402+
 - Mining engineering: TN297
- Research
 - Aeronautics: TL565+
 - Technology: T175+
- Research aircraft: TL567.R47
- Research buildings
 - Building construction: TH4652
- Research equipment
 - Aeronautics: TL566+
- Research natural areas
 - Environmental effects: TD195.R45
- Research parks: T175.7
- Reservations
 - Hotels, clubs, restaurants, etc.: TX911.3.R47
- Reservoir oil pressure
 - Petroleum engineering: TN871.18
- Reservoirs: TD395+
 - Environmental effects: TD195.R47
 - Hydrostatics: TC167
- Reservoirs, Collecting
 - Sewers: TD722
- Reservoiris
 - Petroleum geology: TN870.57
- Residual materials
 - Engineering: TA709.5
- Resin
 - Cementing substance: TA443.R4
 - Web authoring software: TK5105.8885.R46
- Resinography: TP979
- Resins
 - Plastic: TP1185.R46
- Resistance boxes
 - Electric meters: TK311
- Resistance meters and measurements
 - Electric meters: TK311
- Resistors
 - Electronics: TK7872.R4
 - Radio: TK6565.R426
- Resonance
 - Electrical engineering: TK541
- Resonators
 - Radar: TK6590.R4
 - Radio: TK6565.R43
- Resource recovery facilities
 - Air pollution: TD888.R48
 - Environmental effects: TD195.R49
- Respirators
 - Industrial safety: T55.3.G3
- Rest areas
 - Roadside development: TE178.8
- Restaurants: TX901+
 - Building construction: TH4755
 - Business mathematics: TX911.3.M33
 - Electric power: TK4035.R46
 - Fire prevention and extinction: TH9445.R44
 - Food service: TX945+
 - Passenger planes: TL685.5.R4
 - Sanitary engineering: TH6057.R4
- Restoration
 - Airplanes: TL671.95
 - Military airplanes: TL685.3
 - Motor vehicle operation: TL152.2
 - Motorcycles: TL444.2
 - Photographs: TR465
 - Tractors: TL233.25
- Restoring
 - Furniture: TT199
- Restrains, Metal
 - Locksmithing: TS531
- Restrooms
 - Hotels, clubs, restaurants, etc.: TX911.3.R48
- Restyling
 - Women's tailoring: TT550

INDEX

- Retail stores
 - Environmental effects: TD195.R493
- Retail trade
 - Environmental effects: TD195.R493
- Retaining rings
 - Fasteners: TJ1327
- Retaining walls
 - Bridges: TG325
 - Civil engineering: TA760+
 - Earthwork: TA770
- Retina camera
 - Photography: TR263.R4
- Retirement communities
 - Environmental effects: TD195.R495
- Retouching
 - Photographic processing: TR310
- Retractable landing gear
 - Airplanes: TL683.R4
- Retractable roofs
 - Building construction: TH2404
- Reusable space vehicles (Astronautics): TL795.5+
- Reva automobile (Italy): TL215.R445
- Reveals
 - Window and door openings: TH2261+
- Reverse engineering: TA168.5
- Reverse osmosis
 - Chemical engineering: TP156.O7
- Reverse osmosis process
 - Saline water conversion: TD480.4+
 - Sewage purification: TD754
- Revolvers
 - Manufactures: TS537
- Rhenium
 - Assaying: TN580.R48
 - Engineering materials: TA480.R5
 - Metallography: TN693.R45
 - Metallurgy: TN799.R45
 - Ore deposits and mining: TN490.R48
- Rheology
 - Chemical engineering: TP156.R45
- Rheostats
 - Dynamoelectric machinery: TK2851
- Rhodium
 - Electroplating: TS692.R5
 - Metallurgy: TN799.R5
- Rhodonite
 - Mining engineering: TN948.R45
- Rhubarb
 - Cooking: TX803.R58
 - Food values: TX558.R4
- Ribbon work
 - Textile arts: TT850.5
- Ribbon work, Paper
 - Textile arts: TT850.5
- Ribs
 - Airplanes: TL674
- Rice
 - Cooking: TX809.R5
 - Food values: TX558.R5
 - Milling: TS2159.R5
- Rice beer
 - Fermented beverage: TP579
- Rice cakes
 - Cooking: TX809.R515, TX814.5.R53
- Rice flour
 - Cooking: TX809.R52
- Rice, Fried
 - Cooking: TX809.R5
- Rice oil
 - Chemical technology: TP684.R5
- Rice products
 - Food processing and manufacture: TP435.R3
- Rice vinegar: TP429.5
- Rice wines
 - Fermented beverage: TP579
- Rifle ranges
 - Environmental effects: TD195.R53
- Rifles
 - Manufactures: TS536.4+
- Rigging
 - Airplanes: TL671.5
 - Airships: TL660.1
 - Balloons: TL623
 - Computer animation: TR897.77
- Right-of-way
 - Railway operation: TF561
- Rigid airships: TL657
- Ring networks
 - Computer networks: TK5105.72
- Rip panel
 - Balloons: TL625.R5
- Risk assessment
 - Environmental pollution: TD193.5
 - Hazardous substances and their disposal: TD1050.R57
 - Nuclear engineering: TK9152.16
 - Radioactive waste disposal: TD898.14.R57
- Risk communication
 - Technology: T10.68
- Risk management
 - Hotels, clubs, restaurants, etc.: TX911.3.R57
- River crossings
 - Sewers: TD705
- River engineering: TC401+
- River protective works: TC530+
- Rivers
 - Hydrodynamics: TC175+
 - Water supply source: TD392
- Riveting
 - Iron and steel work: TA891
- Riveting machines
 - Machine shops: TJ1310
- Rivets
 - Fasteners: TJ1325

INDEX

- Rivets, Metal
 - Engineering and construction: TA492.R6
- Road binders for unpaved roads: TE221
- Road construction
 - Air pollution: TD888.R62
 - Water pollution: TD428.R63
- Road design: TE175
- Road loads
 - Structural analysis: TA654.33
- Road-marking materials: TE203
- Road rollers
 - Highway engineering: TE223+
- Road surveys: TE209+
- Roadbed
 - Electric railways: TF865
 - Railway construction: TF250
- Roadmasters' manuroads: TF538
- Roads
 - Environmental effects: TD195.R63
 - Highway engineering: TE1+
- Roadside development: TE177+
- Roadside litter control
 - Highway maintenance: TE220.55
- Roaming
 - Wireless communication systems: TK5103.4874
- Roasting
 - Cooking process: TX690
- Robot dynamics: TJ211.4
- Robot ethics: TJ211.28
- Robot hands: TJ211.43
- Robot kinematics: TJ211.412
- Robot motion: TJ211.4
- Robot vision: TJ211.3
- Robot wrists: TJ211.42
- Robots
 - Mechanical engineering: TJ210.2+
- Robots, Industrial: TS191.8
- Robust control
 - Mechanical engineering: TJ217.2
- Rock craft: TT293
- Rock cuttings
 - Railroad construction: TF220+
- Rock drilling: TA743
- Rock drills: TA745+
- Rock excavation: TA740+
- Rock mechanics: TA706+
 - Petroleum geology: TN870.56
- Rocket belts: TL717.5
- Rocket propulsion: TL780+
- Rocketry as a profession: TL782.8
- Rockets
 - Aeronautics: TL780+
- Rockfills: TA709
- Rocking chairs
 - Wood manufactures: TS886.5.C45
- Rocks
 - Nature photography: TR732
- Roll
 - Aerodynamics: TL574.M6
 - Motor vehicle dynamics: TL245.2
- Rollei camera
 - Photography: TR263.R6
- Roller compacting
 - Cement and concrete construction: TA682.455
- Rolling contact
 - Mechanical engineering: TJ183.5
- Rolling mill machinery
 - Electric driving: TK4059.R64
- Rolling mills
 - Building construction: TH4537
 - Dust removal: TH7697.R6
 - Electric power: TK4035.R6
 - Energy conservation: TJ163.5.R64
 - Manufactures: TS340
- Rolling stock
 - Railway equipment: TF371+
- Rolls
 - Ore dressing and milling: TN510
- Roman cement
 - Cement manufacture: TP884.R7
- Romanies
 - Photographic portraits: TR681.G9
- Roof details
 - Building construction: TH2481+
- Roof falls
 - Mines: TN317
- Roof framing
 - Building construction: TH2391+
- Roof outlets
 - House drainage: TH6666
- Roof trusses
 - Building construction: TH2392
- Roofing
 - Building construction: TH2430+
- Roofing industry
 - Air pollution: TD888.R66
- Roofs
 - Building construction: TH2401+
- Roofs and roofing
 - Building construction: TH2391+
- Roofs, Special: TH2421+
- Room service
 - Hotels, clubs, restaurants, etc.: TX943+
- Root cause analysis: TA169.55.R66
- Rope systems
 - Fire prevention and extinction: TH9414
- Rope transmission
 - Mechanical engineering: TJ1115
- Ropework
 - Textile arts: TT840.R66
- Rose oil
 - Organic chemical industries: TP959.R6
- Rosé wines
 - Wine and winemaking: TP548.6.R67

INDEX

- Roselle
 - Cooking: TX814.5.R58
 - Textile fiber: TS1747.R6
- Roses
 - Cooking: TX814.5.R6
 - Nature photography: TR726.R66
- Rosh ha-Shanah
 - Cooking: TX739.2.R67
- Rosin oil
 - Chemical technology: TP684.R7
- Rotaries
 - Dynamolectric machinery: TK2796
- Rotary blowers
 - Pneumatic machinery: TJ966
- Rotary combustion engines: TJ792
- Rotary engines: TJ729
- Rotary pumps
 - Hydraulic machinery: TJ917
- Rotor aircraft: TL714+
- Rotors
 - Machinery: TJ1058
- Roughing filtration
 - Water purification: TD444
- Roughing in
 - House drainage: TH6615
- Roundhouse management
 - Trains: TF595
- Roundhouses
 - Railway structures: TF296
- Routers
 - Computer networks: TK5105.543
 - Handicrafts: TT203.5
- Routing
 - Computer networks: TK5105.5487+
 - Handicrafts: TT203.5
- Routing tools
 - Machine shops: TJ1208
- Roving vehicles
 - Astronautics: TL475+
- Roxio Easy media creator
 - Digital video: TK6680.8.R67
- Rozhestvenskii (Aircraft manufacturer): TL686.R7
- RS/1
 - Computer-aided engineering: TA345.5.R73
- Rubber
 - Aeronautics: TL699.R8
 - Engineering materials: TA455.R8
 - Fire prevention and extinction: TH9446.R8
 - Wood preservative: TA424.6.R8
- Rubber band craft: TT880
- Rubber bands
 - Decorative crafts: TT880
 - Manufactures: TS1920
- Rubber bearings
 - Mechanical engineering: TJ1073.R8
- Rubber boots
 - Manufactures: TS1910
- Rubber industry: TS1870+
 - Electric power: TK4035.R82
 - Energy conservation: TJ163.5.R82
 - Waste control: TD899.R8
- Rubber-seed oil
 - Chemical technology: TP684.R83
- Rubber shoes
 - Manufactures: TS1910
- Rubber stamp printing
 - Decorative crafts: TT867
- Rubber tires
 - Manufactures: TS1912
- Rubber to metal bonding
 - Metal finishing: TS718
- Rubbing craft
 - Decorative crafts: TT912
- Rubidium: TN490.R8
 - Engineering materials: TA480.R8
- Rubies
 - Jewelry work: TS755.R82
 - Mineral industries: TN997.R83
- Ruby lasers
 - Applied optics: TA1705
- Ruby on Rails
 - Web authoring software: TK5105.8885.R83
- Rudder
 - Airplanes: TL677.R8
- Ruger rifle: TS536.6.R84
- Rugs
 - Textile manufactures: TS1772+
- Rugs, Hand-made
 - Textile arts: TT850
- Ruling-machinery
 - Stationery: TS1260
- Rum
 - Distilled liquors: TP607.R9
- Runners
 - Nutrition: TX361.R86
- Running gear
 - Motor vehicles: TL260+
- Runoff, Bridge deck
 - Water pollution: TD428.B75
- Runoff from roads
 - Water pollution: TD428.R84
- Runoff, Urban
 - Sewage collection and disposal systems: TD657+
- Runways
 - Airports: TL725.3.R8
- Rural sanitary engineering: TD920+
- Rural telephones: TK6169
- Rush work
 - Decorative crafts: TT877
- Russia leather: TS980.R8
- Rustic works
 - Woodworking: TT200
- Rye
 - Food values: TX558.R9

INDEX

Rye products
Food processing and manufacture: TP435.R83

S

Saccharimetry
Food processing and manufacture: TP382

Saccharin
Sweeteners: TP424

Saddle roofs
Building construction: TH2407

Saddlery hardware
Manufactures: TS1035

Saddles
Leather industries: TS1030+

Safes
Metal manufactures: TS420
Security in buildings: TH9734

Safety
Dams: TC550
Radio: TK6553

Safety appliances
Automobiles: TL159.5
Furnaces: TJ350+
Machine shops: TJ1177

Safety devices
Aeronautics: TL697.S3
Electric railways: TF947
Elevators: TJ1377
Highway engineering: TE228

Safety factors
Motor vehicles: TL242

Safety helmets
Industrial safety: T55.3.S23

Safety, Industrial: T55+

Safety instrumentation
Nuclear engineering: TK9183.S24

Safety lamps
Mines: TN307

Safety manuals
Authorship: T55.3.A87

Safety measures
Airports: TL725.3.S34
Airships: TL651
Chemical technology: TP149, TP150.S24
Fire prevention and extinction: TH9182
Food processing and manufacture: TP373.5
Foundry work: TS238
Gas in buildings: TH6830+
Glass and glassmaking: TP858
Hazardous substances and their disposal: TD1050.S24
Hotels, clubs, restaurants, etc.: TX911.3.S24
Hydraulic engineering: TC159

Lighting
Building construction: TH7720

Management of engineering works: TA192

Mechanical engineering: TJ166

Safety measures
Metal finishing: TS653.5
Metallurgical plants: TN676.A1+
Mining engineering: TN295
Motor vehicle operation: TL152.25
Petroleum pipelines: TN879.59
Petroleum refining: TP690.6
Plastics: TP1148
Radioactive waste disposal: TD898.14.S34
Railway operation: TF610
School shops: TT170.4
Steam boilers: TJ298
Textile industries: TS1449
Water supply: TD358
Water supply utilities: TD358
Waterworks: TD358
Welding: TS227.8

Safety of consumer products
Product engineering: TS175

Safety of exit
Building construction: TH153

Safety probability
Structural analysis: TA656.5

Safety standards
Motor vehicles: TL242

Safety valves
Furnaces: TJ352+

Safflower
Textile dyes: TP925.S23

Saffron
Cooking: TX819.S24

Saggars
Ceramic technology: TP815

Sago
Cooking: TX814.5.S34
Starch: TP416.S3

Sailors
Photographic portraits: TR681.S24

Saint Patrick's Day decorations
Decorative crafts: TT900.S25

Saké
Fermented beverage: TP579

Sal seed oil
Chemical technology: TP684.S2

Salad dressing
Cooking: TX819.S27

Salads
Cooking: TX807
Recipes: TX740

Saline springs
Salt manufacture: TN907

Saline water conversion: TD478+

Saline water pretreatment: TD479.8

Salmon
Cooking: TX748.S24

Saloons: TX950+

Plumbing: TH6518.B2

INDEX

- Salsas
 - Cooking: TX819.S29
- Salt
 - Cooking: TX819.S32
 - Mining engineering: TN900+
 - Preservation of wood: TA424.6.S3
 - Soil stabilization: TE210.5.S3
 - Street snow control: TD870
 - Water pollutants: TD427.S24
 - Wood composition: TS933.S2
- Salt mines and mining
 - Environmental effects: TD195.S26
- Salt mining: TN900+
- Saltpeter: TP238
- Salts: TP230+
 - Fire prevention and extinction: TH9446.S3
- Salvage of material during fires
 - Fire prevention and extinction: TH9431
- Salvaging
 - Building construction: TH449
- Samaritan Jewish style cooking: TX724.2.S36
- Samarium
 - Chemical technology: TP245.S2
- Sample books
 - Men's clothing: TT628
 - Paper manufacturers: TS1220
- Sampling
 - Ores: TN560
 - Pollution measurement: TD193+
 - Sewage analysis: TD735
- Sampling theory
 - Industrial engineering: T57.36
- San Xia Dam (China): TC558.C52S26
- Sand
 - Engineering materials: TA455.S3
 - Mining engineering: TN939
- Sand and gravel industry
 - Dust removal: TH7697.S3
 - Environmental effects: TD195.S3
- Sand-blast process
 - Ornamental glass: TP864
- Sand bypassing
 - Coast protective works: TC339.8
- Sand casting
 - Handicrafts: TT295
- Sand crafts
 - Decorative crafts: TT865
- Sand filtration
 - Mechanical treatment of water purification: TD445
- Sand-lime brick
 - Brickmaking: TP832.S2
- Sand-lime products
 - Cement manufacture: TP884.S3
- Sand plants and bins
 - Railway structures: TF292
- Sand roads: TE230
- Sandblast
 - Pneumatic machinery: TJ1009
- Sandstone
 - Building stones: TN957
- Sandwich construction elements, Metal
 - Engineering and construction: TA492.S25
- Sandwich elements
 - Structural engineering: TA660.S3
- Sandwiches
 - Cooking: TX818
- Sanitary crafts
 - Environmental engineering of buildings: TH6071+
- Sanitary engineering: TD1+
 - Buildings: TH6014+
- Sanitary landfills
 - Municipal refuse: TD795.7
 - Sewage disposal: TD771
- Sanitation
 - Food processing and manufacture: TP373.6
 - Hotels, clubs, restaurants, etc.: TX911.3.S3
 - Wine and winemaking: TP548.5.S35
- SAP NetWeaver
 - Web authoring software: TK5105.8885.S24
- Sapphires
 - Mineral industries: TN997.S24
- Saprolites
 - Mining engineering: TN948.S24
- Sapropel
 - Mining engineering: TN851
- Sardines
 - Cooking: TX748.S26
- SAS
 - Web authoring software: TK5105.8885.S25
- Sashes
 - Window and door: TH2272
- Sassafras oil
 - Organic chemical industries: TP959.S2
- Satellite radio: TK6562.S28
- Satellite surveying: TA595.5
- Satellite television
 - Amateurs' manuals: TK9962
- Sauces
 - Cooking: TX819.A1+
- Sauerkraut
 - Food processing and manufacture: TP444.S27
- Sausages
 - Cooking: TX749.5.S28
 - Meat-packing industries: TS1974.S3
- Sautéing
 - Cooking process: TX689.4
- Saw filing
 - Machine shops: TJ1235
- Saw sets
 - Machine shops: TJ1237
- Saw sharpening
 - Woodworking equipment: TS851

INDEX

- Sawing machinery
 - Machine shops: TJ1230+
- Sawmills
 - Wood products: TS850
- Saws
 - Machine shops: TJ1233+
- SCADA systems
 - Mechanical engineering: TJ222
- Scaffolding
 - Building construction: TH5281
- Scale
 - Saline water conversion: TD479.8
- Scales (Weighing instruments)
 - Metal manufactures: TS410
- Scaling ladder systems
 - Fire prevention and extinction: TH9412
- Scallops
 - Cooking: TX754.S33
- Scandium
 - Chemical technology: TP245.S3
 - Ore deposits and mining: TN490.S4
- Scanning systems
 - Electronics: TK7882.S3
- Scenic byways
 - Highway engineering: TE229.9
- Scheduling
 - Building construction: TH438.4
 - Production control: TS157.5+
- Schematic analysis
 - Industrial engineering: T57.4
- Schematic methods
 - Engineering mathematics: TA337+
- Scholars
 - Photographic portraits: TR681.S36
- School buildings
 - Electric power: TK4025
 - Environmental effects: TD195.S33
 - Fire prevention and extinction: TH9445.S3
 - Heating and ventilation: TH7392.S35
- School cafeterias
 - Food service: TX945.2
- School closings
 - Environmental effects: TD195.S333
- School lunchrooms
 - Food service: TX945.2
- School photography: TR818
- School shops
 - Handicrafts: TT170+
- Schools
 - Brewing and malting: TP574
 - Energy conservation: TJ163.5.U5
 - Plumbing: TH6515.S4
- Schools of industrial design: TS171.44
- Schools, Technical
 - Industrial engineering: T61+
- Schottky-barrier diodes
 - Semiconductors: TK7871.89.S35
- Schuetzen rifles: TS536.6.S3
- Schungite
 - Mining engineering: TN847
- Scientific applications
 - Photography: TR692+
- Scientific cinematography
 - Photography: TR893+
- Scientific expeditions
 - Photography: TR710
- Scientific satellites: TL798.S3
- Scientists
 - Photographic portraits: TR681.S37
- Scissors
 - Metal manufactures: TS381
- Sconces
 - Woodworking: TT197.5.L34
- Scones
 - Cooking: TX770.B55
- Scooters
 - Handicrafts: TT174.5.S35
- Scramjet engines
 - Aeronautics: TL709.3.S37
- Scrap metal industry
 - Environmental effects: TD195.S36
- Scrap metals
 - Manufactures: TS214
- Scrapers
 - Machine shops: TJ1201.S3
- Scrapmetal craft
 - Metalworking: TT214
- Scratch
 - Computer animation software: TR897.72.S38
- Screen doors
 - Building design: TH2278+
- Screen process work
 - Handicrafts: TT273
- Screening
 - Chemical engineering: TP156.S3
 - Coal: TN816.A1+
 - Mechanical water purification: TD439
 - Ore dressing and milling: TN515
 - Sewage purification: TD753
 - Sewage treatment: TD748
- Screening machinery: TJ1540
- Screens
 - Decorative crafts: TT899.45
 - Ore dressing and milling: TN515
 - Window fittings: TH2276
- Screw bevel gears
 - Mechanical movements: TJ196
- Screw-cutting machines
 - Machine shops: TJ1222
- Screw machines
 - Machine shops: TJ1215+
- Screw-piles
 - Foundations: TA783

INDEX

- Screw press
 - Lifting machinery: TJ1455
- Screwdrivers
 - Machine shops: TJ1201.S34
- Screwjack
 - Lifting machinery: TJ1433
- Screws and screw threads
 - Fasteners: TJ1338+
- Screws, Metal
 - Engineering and construction: TA492.S3
- Scroll saw work (Box craft)
 - Woodworking: TT190.6
- Scrolls and designs for carriage painters: TS2032
- Scrollwork
 - Woodworking: TT190.6
- Scrubber process
 - Chemical engineering: TP156.S32
- Scrubbers
 - Chemical technology: TP159.S34
- Sculpture
 - Photography of art: TR658.3
- Scuttles
 - Building construction: TH2491
- SDN
 - Computer network protocols: TK5105.5833
- Sea locks
 - Harbor engineering: TC353
- Sea water
 - Effect on structures: TC200
 - Salt manufacture: TN905
- Seac computer: TK7889.S4
- Seafood
 - Cooking: TX747+
 - Food values: TX556.5
- Sealing
 - Building construction: TH1719
 - Chemical technology: TP988
 - Machinery: TJ246
- Sealing compounds
 - Chemical technology: TP988
- Seaplane bases: TL725.6
- Seaplane flying: TL711.S43
- Seaplanes: TL684+
- Search and rescue
 - Airplane accidents: TL553.8
- Search engines
 - Internet: TK5105.884+
- Search radar: TK6592.S4
- Search theory
 - Industrial engineering: T57.97
- Searchlights
 - Aircraft: TL691.S4
 - Electric lighting: TK4399.S4
- Seashore photography: TR670+
- Seasoning
 - Lumber: TS837
 - Meat-packing industries: TS1974.F5
- Seat belts
 - Automobiles: TL159.5
- Seats
 - Motor vehicles: TL255.6
 - Passenger planes: TL685.5.S4
 - Space environment: TL1555
- Seawalls
 - Coast protective works: TC335
- Secondary cells
 - Electrical engineering: TK2941
- Secondary recovery of oil
 - Petroleum engineering: TN871.37
- Secondary school courses
 - Driver education: TL152.65
- Section
 - Airplanes: TL673.S4
- Section-books
 - Railway construction: TF260
- Sectional radiators
 - Hydronic systems: TH7487
- Security
 - Hotels, clubs, restaurants, etc.: TX911.3.S4
- Security devices
 - Security in buildings: TH9730+
- Security in buildings
 - Building construction: TH9701+
- Security measures
 - Airports: TL725.3.S44
 - Electrical engineering: TK5102.85
 - Nuclear engineering: TK9152.1645
 - Optical data processing: TA1636
 - Production of electric energy: TK1025
 - Pumping stations: TD487.5
 - Waterworks: TD487.5
- Sediment
 - Water pollutants: TD427.S33
- Sediment analysis
 - Geophysical surveying: TN269.885
- Sediment transport
 - Hydrodynamics: TC175.2
- Sedimentation
 - Chemical engineering: TP156.S4
 - Mechanical of water purification: TD439
 - Reservoirs: TD396
 - Sewage treatment: TD749+
- Sedimentation tanks and basins
 - Mechanical water purification: TD439
- Sedimentation with coagulation
 - Sewage purification: TD751
- Seed oils
 - Food values: TX560.S4
- Seed products
 - Food processing: TP437+
- Seeders
 - Agricultural machinery: TJ1483
- Seeding
 - Pollution control methods: TD192.7

INDEX

- Seeds
 - Cooking: TX814.5.S44
 - Food processing: TP437+
- Segmentation, Image: TA1638.4
- Seismic prospecting: TN269.8+
- Seismic reflection method
 - Seismic prospecting: TN269.84
- Seismic refraction method
 - Seismic prospecting: TN269.85
- Selection
 - Equipment analysis: TS181.3
- Selenite
 - Mineral industries: TN989.S45
- Selenium
 - Chemical technology: TP245.S4
 - Mining engineering: TN948.S4
 - Water pollutants: TD427.S38
- Self-consolidating concrete
 - Masonry materials: TA445.7
- Self-potential method
 - Geophysical surveying: TN269.883
- Self-purification of streams
 - Disposal of sewage effluent: TD764
- Self-routing
 - Computer networks: TK5105.54873.S45
- Semantic Web: TK5105.88815
- Semi-submersible offshore structures
 - Ocean engineering: TC1702
- Semiconductor lasers
 - Applied optics: TA1700
- Semiconductors
 - Control engineering: TJ223.S45
 - Electronics: TK7871.85+
- Semikilled steel
 - Metallurgy: TN757.S45
- Semimetals
 - Engineering materials: TA455.S35
- Semirigid airships: TL656.4
- Semisolid processing
 - Metal manufactures: TS248
- Sending apparatus
 - Radio: TK6561
- Sendmail (Electronic mail system): TK5105.74.S44
- Sennit
 - Textile fiber: TS1792
- Sensitive surfaces
 - Photography: TR280+
- Sensitometry
 - Photography: TR280+
- Sensor networks
 - Electronics: TK7872.D48
- Sensors
 - Electronics: TK7872.D48
 - Infrared technology: TA1573
- Sensory evaluation of food: TX546
- Sensory qualities
 - Water quality: TD375, TD380+
- Separate sewerage system: TD664
- Separation
 - Biotechnology: TP248.25.S47
 - Chemical engineering: TP156.S45
- Separators (Machine)
 - Chemical technology: TP159.S4
- Sephardic style cooking: TX724.2.S47
- Septic tanks
 - Sewage disposal: TD778
- Series circuit
 - Electrical engineering: TK454.15.S47
- Serpentine
 - Mining engineering: TN948.S45
- Service centers, Data processing
 - Energy conservation: TJ163.5.D38
- Service industries
 - Electric power: TK4035.S4
 - Fire prevention and extinction: TH9445.S4
- Service learning
 - Technical education: T65.5.S47
- Service life of materials: TA409.2
- Service-oriented architecture (Computer networks):
 - TK5105.5828
- Service, Quality of
 - Computer networks: TK5105.5956
- Service rules and regulations
 - Railway operation: TF520+
- Service stations
 - Motor vehicles: TL153
 - Waste control: TD899.S46
- Serving, Table
 - Dining-room service: TX881
- Servomechanisms
 - Mechanical engineering: TJ214
 - Radar: TK6590.S4
- Sesame
 - Cooking: TX814.5.S47
- Settings
 - Boilermaking: TJ292
- Settling
 - Mechanical water purification: TD439
- Settling tanks
 - Sewage treatment: TD749+
- Setup time
 - Industrial engineering: T60.47
- Sewage: TD730+
- Sewage and wastes
 - House drainage: TH6651+
- Sewage collection and disposal systems: TD511+
- Sewage disposal
 - Low temperature sanitary engineering: TD949
 - Rural sanitary engineering: TD929+
- Sewage disposal plants: TD746
 - Air pollution: TD888.S38
 - Environmental effects: TD195.S47
 - Noise control: TD893.6.S48
 - Water pollution: TD428.S47

INDEX

- Sewage disposal systems: TD741+
- Sewage drainage
 - Low temperature sanitary engineering: TD949
- Sewage effluent
 - Disposal: TD759+
- Sewage farming
 - Disposal of effluent: TD760
- Sewage irrigation: TD670, TD760
- Sewage lagoons
 - Sewage treatment: TD746.5
- Sewage sludge: TD767.4+
 - Disposal: TD772
 - Treatment and disposal: TD767+
- Sewage sludge ash
 - Sewage disposal: TD770.3
- Sewer appurtenances: TD695+
- Sewer corrosion: TD691
- Sewer explosions: TD690
- Sewer gas: TD690
- Sewer pipe
 - Architectural ceramics: TP839
- Sewerage: TD511+
 - Water pollution: TD428.S47
- Sewerage systems design: TD658
- Sewers: TD673+
- Sewing
 - Textile arts: TT700+
- Sewing by machine
 - Textile arts: TT713
- Sewing (Kindergarten): TT708
- Sewing machines
 - Mechanical engineering: TJ1501+
- Sex machines
 - Photography: TR717.3.S49
- Sextant
 - Aeronautical instruments: TL589.2.S4
- Sexual minorities
 - Photographic portraits: TR681.S44
- Shad
 - Cooking: TX748.S43
- Shades
 - Dyeing: TP907
- Shadows
 - Lighting: TH7723
- Shaft and journals
 - Steam engines: TJ539
- Shaft sinking
 - Mining: TN283
- Shafting
 - Generators: TK2458.S5
 - Machinery exclusive of prime movers: TJ1057
- Shafting, Metal
 - Engineering and construction: TA492.S5
- Shale
 - Engineering materials: TA455.S4
 - Gas manufacture: TP751.7
 - Mining engineering: TN948.S5
- Shale oil
 - Mineral oils and waxes: TP699
- Shampoos: TP984
- Shape
 - Sewers: TD675+
- Shape memory alloys
 - Engineering and construction: TA487
- Shape memory polymers
 - Engineering materials: TA455.P585
- Shapers
 - Machine shops: TJ1208
- Shaping machines
 - Machine shops: TJ1300
- SharePoint (Microsoft)
 - Web authoring software: TK5105.8885.M543
- Sharks
 - Cooking: TX748.S5
- Sharpening tools
 - Machine shops: TJ1280+
- Shaving
 - Barbering: TT964
- Shawls
 - Knitting and crocheting: TT825
 - Textile industries: TS1781
- Shea butter
 - Chemical technology: TP684.S53
- Shear
 - Structural analysis: TA648.4
 - Testing of materials: TA417.7.S5
- Shear legs
 - Hoisting machinery: TJ1361
- Shears
 - Machine shops: TJ1240
- Shears, Hand
 - Metal manufactures: TS381
- Sheathing papers
 - Building construction: TH1720
- Sheer fabrics
 - Textile fabrics: TS1770.S54
- Sheet iron
 - Metal manufactures: TS360
- Sheet metal
 - Building construction: TH1651+
- Sheet metal walls
 - Building design and construction: TH2247
- Sheet metalwork
 - Metal manufactures: TS250
- Sheet-piling
 - Foundations: TA785
- Sheet steel
 - Metal manufactures: TS360
- Sheet systems
 - Fire prevention and extinction: TH9418
- Sheets
 - Handicrafts: TT406
 - Home furnishings: TX315

INDEX

- Shell roofs
 - Building construction: TH2416+
- Shellac
 - Chemical technology: TP938
- Shellcraft
 - Decorative crafts: TT862
- Shellfish
 - Cooking: TX753+
 - Nutrition: TX387
- Shells
 - Nature photography: TR729.S54
 - Reinforced concrete construction: TA683.5.S4
 - Structural engineering: TA660.S5
- Shells (Sea shells)
 - Engineering materials: TA455.S43
- Shelving
 - Building construction: TH2555
- Shielding
 - Aircraft communication equipment: TL694.I6
 - Airplanes: TL673.T4
 - Electronic circuits: TK7867.8
 - Nuclear reactors: TK9210+
- Shift registers
 - Computer engineering: TK7895.S54
- Shingle roofing
 - Building construction: TH2441
- Ship canals: TC770
- Ship railways: TC771+
- Shipbuilding industry
 - Waste control: TD899.S55
- Shipment, Packing for: TS198.5+
- Ships
 - Air pollution: TD888.S54
 - Seashore photography: TR670.5
 - Water pollution: TD428.S55
- Shipyards
 - Electric power: TK4035.S5
 - Waste control: TD899.S55
- Shirts
 - Men's tailoring: TT612
- Shisha mirror embroidery: TT778.S55
- Shochu
 - Distilled liquors: TP607.S5
- Shock absorbers
 - Airplanes: TL683.S4
 - Machinery: TJ1060.2
 - Motor vehicles: TL257.5
 - Railroad cars: TF393
- Shock tubes
 - Aeronautical research: TL567.S4
- Shock waves
 - Aerodynamics: TL574.S4
- Shockwave
 - Web authoring software: TK5105.8885.S56
- Shoe making machinery
 - Manufactures: TS1005
- Shoemaking
 - Leather industries: TS989+
- Shoji screens
 - Building construction: TH2544
- Shone sewerage system: TD668
- Shop kinks
 - Machine shop practice: TJ1165
- Shop management
 - Hairdressing: TT965+
- Shop mathematics
 - Machine shop practice: TJ1165
- Shop practice
 - Locomotives: TJ683
 - Motorcycles: TL444.5
- Shop repairing
 - Machine shop practice: TJ1165
- Shopping
 - Household administration: TX335+
- Shopping centers
 - Environmental effects: TD195.S52
 - Fire prevention and extinction: TH9445.S8
- Shopping for food: TX356
- Shopping guides
 - Consumer education: TX335+
- Shops
 - Railway structures: TF298
- Shoring
 - Building construction: TH5281
- Shortwave radios: TK6564.S5
- Shortwave transmission
 - Radio: TK6562.S5
- Shot peening
 - Manufactures: TS207.3.P44
- Shotcrete: TA446
- Shotguns
 - Manufactures: TS536.8
- Shoulders
 - Highway engineering: TE212.5
- Show cards
 - Painting: TT360.A1+
- Show windows
 - Electric lighting: TK4399.S5
- Shower baths
 - Plumbing: TH6492
- Shrimp
 - Cooking: TX754.S58
- Shrines
 - Fire prevention and extinction: TH9445.C5
- Shunting
 - Trains: TF592
- Shunts
 - Electric meters: TK311
 - Generators: TK2487
- Shutters
 - Photography: TR272
 - Window fittings: TH2276
- Sicilian style cooking: TX723.2.S55

INDEX

- Siderite
 - Ore deposits and mining: TN402.S5
- Sidewalk lights
 - Natural lighting: TH7799
- Sidewalks
 - Pedestrian facilities: TE280+
- Siding
 - Building design and construction: TH2238.5
- Siemens process
 - Steel metallurgy: TN740+
- Sieves
 - Metal manufactures: TS275
- Sights
 - Gunsmithing: TS535.2.S46
- Sign lettering
 - Painting: TT360.A1+
- Sign painting: TT360.A1+
- Signal generators
 - Electronics: TK7872.S5
- Signal lights
 - Transportation engineering: TA1250
- Signal processing
 - Electrical engineering: TK5102.9
- Signaling
 - Aircraft: TL692
 - High speed ground transportation: TF1510
 - Railway operation: TF615+
- Signaling equipment
 - Transportation engineering: TA1245+
- Signals
 - Railway operation: TF610
- Signboards
 - Airports: TL725.3.S47
- Signs
 - Airports: TL725.3.S47
 - Electric lighting: TK4399.S6
- Silencers
 - Gunsmithing: TS535.2.S5
- Silica
 - Mining engineering: TN948.S6
- Silicates
 - Engineering materials: TA455.S46
- Silicides
 - Electronics: TK7871.15.S54
- Silicon
 - Chemical technology: TP245.S5
 - Electronics: TK7871.15.S55
- Silicon alloys
 - Engineering materials: TA479.S5
- Silicon carbide
 - Abrasive: TJ1298
- Silicon industry
 - Environmental effects: TD195.S54
- Silicon nitride
 - Electronics: TK7871.15.S558
 - Insulating material: TK3441.S46
- Silicon organic compounds
 - Electronics: TK7871.15.S56
 - Insulating material: TK3441.S47
- Silicone rubber
 - Manufactures: TS1927.S55
- Silicones
 - Chemical technology: TP248.S5
- Siliconizing
 - Metal finishing: TS695.5
- Silk
 - Dyeing: TP901
 - Textile fiber: TS1546
- Silk fabrics
 - Textile dyeing: TP931.S6
- Silk flowers
 - Decorative crafts: TT890.7
- Silk machinery
 - Silk manufactures: TS1672
- Silk ribbon embroidery: TT778.S64
- Silk-screen printing
 - Handicrafts: TT273
- Sillimanite
 - Mining engineering: TN948.S63
- Sills
 - Window and door openings: TH2261+
- Silos
 - Building construction: TH4935
- Siloxanes
 - Insulating material: TK3441.S48
- Silver
 - Assaying: TN580.S5
 - Chemical technology: TP245.S6
 - Engineering materials: TA480.S5
 - Environmental pollutants: TD196.S48
 - Metallography: TN693.S5
 - Ore deposits and mining: TN430+
 - Prospecting: TN271.S55
 - Sewage disposal: TD758.5.S44
- Silver and gold
 - Metallurgy: TN760+
 - Ore deposits and mining: TN410+
- Silver and lead
 - Metallurgy: TN770
- Silver cleaning: TX324
- Silver plating
 - Electroplating: TS680
- Silver salts
 - Photographic processes: TR385+
- Silver work
 - Manufactures: TS720+
- Silvering
 - Metal arts and crafts: TT382.8
 - Metal finishing: TS715
- Silversmithing
 - Manufactures: TS730+
- Silverware
 - Manufactures: TS735

INDEX

- Simple Network Management Protocol (SNMP)
 - Computer networks: TK5105.583
- Simplex model
 - Linear programming: T57.76+
- Simplex telegraph system: TK5523
- Simulation methods
 - Hydraulic engineering: TC409
 - Industrial engineering: T57.62+
 - Mathematical models: TA343
 - Structural engineering: TA643
- Simultaneous telegraph and telephone: TK6525
- Single-carrier frequency division multiple access:
 - TK5103.4817
- Single cell lipids
 - Biotechnology: TP248.65.S55
- Single cell proteins
 - Biotechnology: TP248.65.S56
- Single heading
 - Airplanes: TL711.S5
- Single-phase current systems
 - Electrical engineering: TK3151
- Single-phase currents
 - Electrical engineering: TK1145
- Single-ply roofing
 - Building construction: TH2452
- Single-rail railways: TF694
- Single shot rifle: TS536.6.S5
- Single-sideband radio transmission: TK6562.S54
- Sinks
 - Kitchen plumbing: TH6511
- Sintering, Laser
 - Molding and casting
 - Plastics: TP1151.L37
- Siphonage
 - Plumbing: TH6631+
- Sirens
 - Electroacoustics: TK5990
- Sisal
 - Textile fiber: TS1747.S5
- Sistema Nacional e-México
 - Computer networks: TK5105.875.S58
- Six Sigma
 - Quality control standards
 - Production management: TS156.17.S59
- Size of airports: TL725.3.S5
- Size of sewers: TD675+
- Size reduction
 - Chemical engineering: TP156.S5
- Sizing
 - Paper manufacture: TS1118.S5
 - Textile industries: TS1488+
- Skate industry
 - Technology: TS2301.S5
- Skateboards
 - Handicrafts: TT174.5.S35
- Skates (Fishes)
 - Cooking: TX748.S58
- Skewer cooking: TX834
- Ski resorts
 - Environmental effects: TD195.S57
 - Water pollution: TD428.S58
- Skidding
 - Motor vehicles: TL295
- Skids
 - Airplanes: TL683.S5
- Skillet cooking: TX840.S55
- Skimming
 - Sewage treatment: TD748
- Skin care: TT958.5
- Skinheads
 - Photographic portraits: TR681.S45
- Skins
 - Leather industries: TS967
- Skirts
 - Women's tailoring: TT540
- Skis
 - Airplanes: TL683.S6
- Skylab Program: TL789.8.U6S5
- Skylights
 - Building design and construction: TH2486+
- Skynet Project
 - Artificial satellites: TK5104.2.S5
- Skyscrapers
 - Fire prevention and extinction: TH9445.T18
 - Security in buildings: TH9745.S59
- Skywriting: TL722.5
- Slab-on-ground construction: TH4819.S5
- Slabs
 - Cement and concrete construction: TA682.5.S5
 - Reinforced concrete construction: TA683.5.S6
 - Structural engineering: TA660.S6
- Slacks
 - Men's tailoring: TT605
 - Women's tailoring: TT542
- Slag
 - Composition roofing: TH2451
 - Engineering materials: TA455.S5
 - Masonry materials: TA441
 - Metallurgy: TN707
- Slag cement
 - Cement manufacture: TP884.S6
- Slate: TN958
 - Insulating material: TK3441.S5
- Slate roofing
 - Building construction: TH2445
- Slaughterhouses
 - Manufactures: TS1959+
 - Ventilation: TH7684.S55
 - Waste control: TD899.M4
- Sleepers
 - Railway construction: TF252+
- Sleeping accommodations
 - Passenger planes: TL685.5.S6

INDEX

- Sleeping cars
 - Railway equipment: TF459
- Sleeves
 - Men's tailoring: TT603
- Sleighs and sleds
 - Manufactures: TS2001+
- Slide-rule calculations
 - Carpentry and joinery: TH5613
- Slide valve
 - Steam engines: TJ545
- Sliding and folding doors
 - Building design: TH2278+
- Sliding mode control
 - Mechanical engineering: TJ220.5
- Slime treatment
 - Ore dressing and milling: TN525
- Slip
 - Aircraft propellers: TL706.S4
- Slip stream
 - Aeronautical engineering: TL706.S5
- Slipcovers
 - Handicrafts: TT395
- Slope-deflection method: TA650+
- Sloshing
 - Applied fluid mechanics: TA357.5.S57
- Slotted wings
 - Airplanes: TL673.S6
- Slotting machines
 - Machine shops: TJ1210
- Slow cooking: TX827
- Sloyd
 - Woodworking: TT187+
- Sludge digestion
 - Sewage treatment: TD769+
- Sludge gas
 - Sewage treatment: TD769.4
- Sluice gates
 - Electric driving: TK4059.S55
- Sluices
 - Dams: TC553
 - Hydraulic powerplants: TJ847
 - Hydrostatics: TC169
 - Technical hydraulics: TC175+
- Small bridges
 - Railway structures: TF282
- Small gasoline engines
 - Internal combustion engines: TJ790
- Small-scale power generation
 - Production of electric energy: TK1006
- Smart cards
 - Computer engineering: TK7895.S62
- Smart cities
 - Municipal engineering: TD159.4
- Smart cooker recipes: TX840.S63
- Smart materials
 - Engineering materials: TA418.9.S62
- Smart power grids
 - Electrical engineering: TK3105
- Smart water grids
 - Water distribution systems: TD484
- Smelt-water explosions
 - Woodpulp industry: TS1176.6.S5
- Smelting companies: TN400+
- Smocking
 - Textile arts: TT840.S66
- Smocks
 - Women's tailoring: TT546
- Smog
 - Air pollutants: TD884.3
- Smoke
 - Air pollutants: TD884
 - In plumbing testing: TH6617
- Smoke control systems
 - Fire-resistive-building construction: TH1088.5
- Smoke prevention
 - Locomotives: TJ653
- Smoked foods
 - Cooking: TX835
- Smokeless powder
 - Explosives: TP273
- Smokers, Facts for
 - Tobacco industry: TS2249
- Smokestacks, Powerplant
 - Building construction: TH4591
- Smoking
 - Cooking: TX609
 - Preservation of foods: TX609
- Smoking and fires
 - Fire prevention: TH9197
- Smoking, Enjoyment of
 - Tobacco industry: TS2249
- Smoking paraphernalia
 - Manufactures: TS2280
- Smoking, Pipes for
 - Manufactures: TS2270
- Smoky chimneys
 - Building construction: TH2284
- Smoothies
 - Cooking: TX817.S636
- SNA (Computer network systems): TK5105.8.S65
- Snack foods: TP451.S57
- Snails
 - Cooking: TX754.S63
- Snapshooters
 - Photographic portraits: TR681.S6
- (SNMP) Simple Network Management Protocol
 - Computer networks: TK5105.583
- Snow and ice control
 - Roads and highways: TE220.5
 - Streets: TD868+
 - Use of salt and chemicals: TD870
- Snow and ice loads
 - Bridge design: TG304

INDEX

- Snow building construction: TH1431
- Snow control
 - Streets: TD868+
- Snow guards
 - Railway structures: TF277
- Snow loads
 - Architectural engineering: TH895
 - Structural analysis: TA654.4
- Snow mechanics
 - Engineering: TA714
- Snowmobiles: TL234.2
- Soap
 - Chemical technology: TP990+
- Soaps: TP991
 - Hairdressing: TT969
- Soapstone
 - Mining engineering: TN948.T2
- Soaring: TL760+
 - Aeronautics: TL576
- Soccer fields
 - Environmental effects: TD195.S68
- Soccer players
 - Nutrition: TX361.S58
- Social aspects
 - Biotechnology: TP248.23
 - Radioactive waste disposal: TD898.14.S63
 - Technology: T14.5
- Social executives
 - Hotels, clubs, restaurants, etc.: TX930
- Sockets
 - Electric lighting: TK4361+
- Socks
 - Knitting and crocheting: TT825
- Sod
 - Housing material: TH4818.S55
- Soda deposits
 - Mining engineering: TN899+
- Soda fountains
 - Beverage industry apparatus: TP635
 - Plumbing: TH6518.S6
- Soda process
 - Woodpulp industry: TS1176.6.S6
- Soda water: TP628+
- Sodium
 - Chemical technology: TP245.S7
 - Food constituent: TX553.S65
- Sodium graphite reactors
 - Nuclear engineering: TK9203.S6
- Sodium hydroxide
 - Environmental pollutants: TD196.S52
- Sodium salts
 - Mining engineering: TN899+
- Sodium sulfate
 - Mining engineering: TN948.S7
- Sodium-sulfur batteries
 - Electricity production: TK2945.S63
- Soft drinks
 - Cooking: TX817.S64
- Soft home furnishings
 - Handicrafts: TT387+
- Soft sculpture
 - Decorative crafts: TT925
- Soft toys
 - Handicrafts: TT174.3
- Softness
 - Water quality: TD372
- Software-defined networking
 - Computer network protocols: TK5105.5833
- Software radio
 - Wireless communication systems: TK5103.4875
- Soil
 - Engineering materials: TA455.S6
- Soil bank failures
 - Mines: TN318.5
- Soil bioventing
 - Soil remediation: TD878.6
- Soil builder, Sewage disposal as: TD774+
- Soil cement
 - Housing material: TH4818.S6
 - Soil stabilization: TE210.5.S6
- Soil compaction
 - Earthwork: TA749
 - Highway engineering: TE210.4+
- Soil dynamics: TA711+
- Soil erosion prevention
 - Building construction: TH383
- Soil fixtures
 - Plumbing: TH6497
- Soil management
 - Water pollution: TD428.S64
- Soil mechanics: TA710+
 - Motor vehicle effects: TL243+
- Soil piping
 - House drainage: TH6653
- Soil pollution
 - Environmental engineering: TD878+
- Soil profiles
 - Highway engineering: TE208+
- Soil remediation
 - Environmental engineering: TD878+
- Soil stabilization
 - Earthwork: TA749
 - Highway engineering: TE210.4+
- Soil stack systems
 - House drainage: TH6651+
- Soil-structure interaction
 - Soil mechanics: TA711.5
- Soil surveys
 - Highway engineering: TE208+
- Soil testing
 - Soil mechanics: TA710.5
- Soil vapor extraction
 - Soil remediation: TD878.5

INDEX

- Soil vitrification
 - Soil remediation: TD878.7
- Soil working machines
 - Agricultural machinery: TJ1482
- Soils
 - Airports: TL725.3.S6
 - Properties: TA710+
- Soju
 - Distilled liquors: TP607.S65
- Solar air conditioning
 - Ventilation of buildings: TH7687.9
- Solar batteries
 - Amateurs' manuals: TK9918
 - Electrical engineering: TK2960
- Solar cars: TL222
- Solar cells
 - Amateurs' manuals: TK9918
 - Electrical engineering: TK2960
- Solar collectors: TJ812
- Solar cooking: TX835.5
- Solar drying
 - Food preservation: TP371.65
- Solar energy: TJ809+
 - Environmental effects: TD195.S64
 - Production of electric energy: TK1056
 - Production of electric power: TK1085+
- Solar engines: TJ812.5
- Solar furnaces
 - Building construction: TH7145
- Solar gas turbines: TJ812.6
- Solar heating
 - Heating of buildings: TH7413+
- Solar houses
 - Heating of buildings: TH7414
- Solar materials: TJ812.7
- Solar ponds: TJ812.8
- Solar power plants: TK1545
- Solar production of electric power: TK1085+
- Solar pumps
 - Hydraulic machinery: TJ912
- Solar sails: TL783.9
- Solar saline water conversion plants: TD479.7
- Solar vehicles: TL222
- Solar water heaters
 - Plumbing: TH6561.7
- Solder
 - Plumbing: TH6297
- Soldering
 - Handicrafts: TT267
 - Plumbing: TH6297
 - Tinsmithing: TS610
- Sole leather: TS980.S6
- Soliciting
 - Electrical engineering: TK445
- Solid fuel reactors
 - Nuclear engineering: TK9203.S65
- Solid lubricants
 - Tribology: TJ1078
- Solid oxide fuel cells
 - Electrical engineering: TK2933.S65
- Solid propellant rockets: TL783.3
- Solid state batteries
 - Electrical engineering: TK2942
- Solid-state fermentation
 - Biotechnology: TP248.25.S64
- Solid-state image intensifiers: TK8334
- Solid-state lasers
 - Applied optics: TA1705
- Solid waste management, Integrated: TD794.2
 - Local: TD788+
- Solid wastes
 - Environmental technology: TD785+
- Solidification
 - Chemical engineering: TP156.S55
 - Hazardous substances: TD1063
 - Radioactive waste disposal: TD898.18
- SolidWorks
 - Computer-assisted drafting: T386.S55
- Solions
 - Control engineering: TJ223.S6
- Soluble glass
 - Glassmaking: TP869
- Solution mining: TN278.5
- Solvent wastes
 - Waste disposal: TD898.8.S65
- Solvents
 - Chemical technology: TP247.5
 - Effect on food: TX571.S65
 - Environmental pollutants: TD196.S54
- Solvents industry
 - Air pollution: TD888.S6
- SONET
 - Synchronous transfer systems: TK5105.415
- Sonic boom
 - Aerodynamics: TL574.S55
- Sonic coagulation
 - Dust removal: TH7695.S6
- Sony cameras
 - Photography: TR263.S66
- Soot
 - Environmental pollutants: TD196.S56
 - Removal from chimneys: TH2285
- Sorbents
 - Chemical technology: TP159.S6
- Sorbitol
 - Chemical technology: TP248.S6
- Sorghum
 - Food values: TX558.S6
 - Milling: TS2159.S65
 - Sugars and syrups: TP405
- Sorghum products
 - Food processing and manufacture: TP435.S65

INDEX

- Sorting
 - Ore dressing and milling: TN515
- Sorting devices
 - Mechanical engineering: TJ1555
- Sound in virtual reality: TK7881.94
- Sound motion pictures
 - Cinematography: TR897
- Sound recording
 - Electronics: TK7881.4+
- Sound recording instruments industry: TS2301.S6
- Sound reproduction
 - Electronics: TK7881.4+
- Sound studios
 - Electric sound control: TK7881.45
- Sound systems
 - Amateurs' manuals: TK9968
 - Electronics: TK7881.4+
- Sound transmitting systems
 - Telephone: TK6401+
- Sounders
 - Telegraph: TK5581+
- Sounding balloons
 - Aeronautics: TL631
- Sounding rockets: TL785.8.S6
- Soundproof construction
 - Building construction: TH1725
- Soundproofing
 - Airplanes: TL681.S6
- Soups
 - Cooking: TX757
 - Food processing and manufacture: TP451.S67
- Sour cream and milk
 - Cooking: TX759.5.S68
- Source reduction
 - Waste minimization: TD793.95
- Source separation
 - Municipal refuse: TD794.8
- Sourdough bread
 - Cooking: TX770.S66
- Sous-vide cooking: TX690.7
- Southern Pacific Railroad: TJ603.3.S6
- Southern style cooking
 - American: TX715.2.S68
 - Italian: TX723.2.S65
- Southwestern style cooking: TX715.2.S69
- Soy sauce
 - Condiments: TX407.S69
 - Cooking: TX819.S58
 - Food processing: TP438.S6
 - Nutrition: TX401.2.S69
- Soybean
 - Food values: TX558.S7
- Soybean oil
 - Chemical technology: TP684.S6
- Soybean products
 - Nutrition: TX401.2.S69
- Soybeans
 - Cooking: TX803.S6
 - Nutrition: TX401.2.S69
- Space archaeology
 - Astronautics: TL788.6
- Space-based radar: TL3285
- Space cabin simulators: TL1572
- Space colonies: TL795.7
- Space communities: TL795.7
- Space debris: TL1499
- Space environment: TL1489+
- Space environmental effects
 - Engineering materials: TA418.59
- Space flight computer simulation: TL1088
- Space flight to Jupiter: TL799.J8
- Space flight to Mars: TL799.M3
- Space flight to Mercury: TL799.M4
- Space flight to Pluto: TL799.P69
- Space flight to the moon: TL799.M6
- Space flight to the sun: TL799.S86
- Space flight to Venus: TL799.V45
- Space flight training: TL1085
- Space frame structures
 - Structural engineering: TA660.S63
- Space mining: TN291.3+
- Space navigation
 - Astronautics: TL1065+
- Space photography: TR713
- Space probes (Astronautics): TL795.3
- Space robotics: TL1097
- Space safety: TL867
- Space shuttles (Astronautics): TL795.5+
- Space simulators
 - Space environment: TL1495
- Space spinoffs
 - Astronautics: TL865
- Space stations: TL797+
- Space suits: TL1550
- Space time codes
 - Wireless communication systems: TK5103.4877
- Space tools: TL1098
- Space tourism: TL794.7
- Space tracking
 - Astronautics: TL4030
- Space trajectories
 - Space navigation: TL1075+
- Space travel: TL787+
- Space travelers
 - Nutrition: TX361.S63
- Space vehicles: TL795+
 - Design and construction: TL875
 - Operation: TL1090+
 - Reliability: TL885
- Space vehicles, Reuseable (Astronautics): TL795.5+
- Space walk: TL1096
- Spaceships: TL795+

INDEX

- Spaghetti
 - Food processing and manufacture: TP435.M3
- Spaghetti squash
 - Cooking: TX803.S63
- Spam filtering
 - Electronic mail systems: TK5105.743
- Spark ignition
 - Miscellaneous motors and engines: TJ782+
- Spark plugs
 - Internal combustion engines: TJ787+
- Sparkling wines
 - Wine and winemaking: TP548.6.S65
- Sparks and spark arresters
 - Locomotives: TJ656
- Spars
 - Airplanes: TL674
- Special effects
 - Cinematography: TR858
 - Photography: TR148
- Special occasions
 - Cooking: TX739+
- Special parts and equipment
 - Refrigeration and icemaking machinery: TP495.3.A+
- Specifications
 - Aircraft engines: TL701.7
 - Aircraft propellers: TL706.S6
 - Airplanes: TL671.1
 - Airports: TL725.2
 - Astronautics: TL869
 - Bathrooms: TH6486
 - Bridges: TG310
 - Building construction: TH425
 - Carpentry and joinery: TH5609
 - Cement and concrete construction: TA682.25
 - Concrete building construction: TH1465
 - Dynamoelectric machinery: TK2321
 - Electrical engineering: TK425
 - Engineering economy: TA180+
 - Engineering materials: TA404.5
 - Environmental engineering of buildings: TH6051
 - Foundry work: TS234
 - Gas and electric lighting fixtures: TH7963
 - Heating of buildings: TH7325
 - Highway engineering: TE180
 - Hot water heating: TH7513
 - Hydraulic machinery: TJ902.5
 - Incandescent lighting: TK4348
 - Iron and steel: TA466
 - Knit goods: TT688
 - Lighting: TH7715
 - Machinery: TJ245
 - Metals: TA461
 - Optical instruments: TS515
 - Packaging: TS195.6
 - Pavements: TE252
 - Photography in surveying: TA593.6
 - Plumbing: TH6225
- Specifications
 - Railroad engineering: TF195
 - Railway equipment: TF363
 - Reinforced concrete construction: TA683.24
 - Steam engines: TJ474
 - Steam heating: TH7563
 - Telegraph: TK5281
 - Telephone: TK6181
 - Underground lines: TK3258
 - Warm-air heating: TH7602
 - Watches and clocks: TS544.5
- Spectral imaging: TR267.73+
- Spectrum analysis of food: TX547+
- Speech processing systems
 - Electronics: TK7882.S65
- Speech recognition systems
 - Computer engineering: TK7895.S65
- Speed and revolution indicators
 - Machinery exclusive of prime movers: TJ1054
- Speedometers
 - Locomotives: TJ669.S6
- Spelt
 - Cooking: TX809.S64
- Spencer rifle: TS536.6.S64
- Sphalerite
 - Ore deposits and mining: TN482.S6
- Spherical balloons: TL634
- Spices
 - Adulteration: TX587+
 - Flavoring aids: TP420
 - Nutrition: TX406+
- Spiegel iron
 - Metallurgy: TN757.S7
- Spikes, Metal
 - Engineering and construction: TA492.N2
- Spillways
 - Dams: TC555
 - Environmental effects: TD195.S65
- Spinach
 - Food processing and manufacture: TP444.S65
- Spindles
 - Machine tools: TJ1187.4
- Spinner
 - Aircraft propellers: TL707.S6
- Spinning
 - Aerodynamics: TL574.S6
 - Cotton manufactures: TS1577
 - Flax industries: TS1727
 - Silk manufactures: TS1667
 - Textile industries: TS1480+
 - Woolen manufactures: TS1627+
- Spinning wheel
 - Textile arts: TT847
 - Textile industries: TS1484
- Spintronics: TK7874.887
- Spiral antennas: TK7871.67.S65

INDEX

- Spirit leveling
 - Surveying: TA607
- Splicing
 - Motion picture film: TR886.5
- Splines
 - Fasteners: TJ1329
- SPM materials
 - Engineering materials: TA418.9.S64
- Sponge iron
 - Metallurgy: TN727
- Spool-knitting for children: TT829
- Spoons
 - Cooking: TX657.S28
- Sport airplanes: TL685.1
- Sport clothes: TT649
- Sport utility vehicles: TL230+
- Sporting goods industry
 - Manufactures: TS2301.S7
- Sporting surfaces
 - Plastic: TP1185.S65
- Sports cars: TL236+
- Sports cinematography
 - Photography: TR895.6
- Sports facilities
 - Electric lighting: TK4399.S63
 - Energy conservation: TJ163.5.S67
 - Heating and ventilation: TH7392.S65
- Sports photography: TR821
- Spotting
 - Commercial garment cleaning: TP932.6
- Sprang
 - Textile arts: TT840.S68
- Spray drying
 - Food preservation: TP371.66
- Spray painting
 - Handicrafts: TT315
- Spraying
 - Chemical engineering: TP156.S6
- Spraying with plastics: TP1175.S6
- Sprays
 - Plumbing: TH6492
- Spread spectrum communications: TK5103.45
- Springs
 - Mechanical movements: TJ210
 - Railroad cars: TF391
- Springs and suspension
 - Motor vehicles: TL257+
- Sprinklers
 - Water supply: TH6569.S7
- Sprinkling carts
 - Street cleaning: TD865
- Sprint cars
 - Motor vehicles: TL236.27
- Sprouted bed processes
 - Chemical engineering: TP156.S57
- Sprouts
 - Food values: TX558.S75
- Spruce
 - Aeronautics: TL699.S7
 - Woodpulp industry: TS1176.4.S7
- Spur gears
 - Toothed gears: TJ189
- Squares
 - Machine shops: TJ1201.S68
- Squash
 - Cooking: TX803.S67
- Squid
 - Cooking: TX748.S68
- Squirrel-cage motors
 - Alternating-current motors: TK2785
- Stability
 - Aerodynamics: TL574.S7
 - Electric power systems: TK1010
 - Motor vehicle dynamics: TL245.8
 - Rockets: TL784.S7
- Stability of structures: TA656+
- Stabilization
 - Hazardous substances: TD1063
 - Radioactive waste disposal: TD898.18
 - Water treatment and conditioning: TD468
- Stabilization ponds
 - Sewage treatment: TD746.5
- Stabilizers
 - Airplanes: TL677.S8
 - Airships: TL662.S7
- Stabilizing devices
 - Airplanes: TL697.S8
- Stabilizing surfaces
 - Airplanes: TL676+
- Stadia surveying: TA588
- Stadiums
 - Building construction: TH4714
 - Environmental effects: TD195.S68
- Staff building construction: TH1550
- Stage photography: TR817
- Stagger
 - Airplanes: TL673.S7
- Staging
 - Building construction: TH5281
 - Rockets: TL784.S74
- Stain fungi
 - Deterioration of wood: TA423.4
- Stained glazing
 - Decorative furnishings: TH8271+
- Stainless steel
 - Engineering materials: TA479.S7
 - Metallurgy: TN757.C5
- Stair joinery
 - Building construction: TH5671+
- Stair railings
 - Building construction: TH5675+
- Stairbuilding
 - Finish carpentry: TH5667+

INDEX

- Stall warning systems
 - Aeronautical instruments: TL589.2.S7
- Stalling
 - Aerodynamics: TL574.S74
- Stamping
 - Decorative needlework
 - Patterns: TT755
- Stamps
 - Ore dressing and milling: TN510
- Standard clock systems
 - Manufactures: TS544
- Standard times of work
 - Industrial engineering: T60.42
- Standardization
 - Industrial engineering: T59+
 - Railway equipment: TF347
 - Textile industries: TS1450
- Standards
 - Aircraft engines: TL701.7
 - Aircraft propellers: TL706.S6
 - Airplanes: TL671.1
 - Cement and concrete construction: TA682.25
 - Computer networks: TK5105.55+
 - Dynamolectric machinery: TK2311
 - Engineering materials: TA404.5
 - Food processing and manufacture: TP372.6
 - Hydraulic machinery: TJ902.5
 - Mechanical drawing: T357
 - Optical instruments: TS515
 - Packaging: TS195.6
 - Photography in surveying: TA593.6
 - Quality control
 - Production management: TS156.16+
 - Radio: TK6553
 - Reinforced concrete construction: TA683.24
 - Screws and screw threads: TJ1340
 - Steam engines: TJ474
 - Wells: TD407
 - Wood: TA419.5
- Standpipes
 - Water distribution systems: TD489
- Stanotype
 - Photography: TR997
- Star trackers
 - Space vehicles: TL3255
- Starch
 - Chemical technology: TP248.S7
- Starches: TP415+
 - Food values: TX558.S8
- Starching
 - Laundry work: TT993
- Starters
 - Dynamolectric machinery: TK2851
- Starting devices
 - Aircraft engines: TL702.S7
 - Jet engines: TL709.5.S8
 - Motor vehicles: TL272
- Static electricity
 - Aeronautical meteorology: TL557.S65
- Static electricity and fires
 - Fire prevention: TH9198.5
- Static loading conditions
 - Structural analysis: TA648+
- Statics, Applied: TA351
- Station management: TF652
- Stationary boilers
 - Hot water heating: TH7539
- Stationary furnaces
 - Hot water heating: TH7539
 - Hydronic systems: TH7473
 - Steam heating: TH7589
- Stationery
 - Paper manufacture: TS1228+
- Stations
 - Mining engineering: TN297
 - Railway structures: TF300+
 - Telephone: TK6211+
- Statistical methods
 - Engineering mathematics: TA340
 - Hotels, clubs, restaurants, etc.: TX911.3.S73
 - Industrial design: TS171.9
 - Industrial engineering: T57.35+
 - Industrial safety: T55.3.S72
 - Mining engineering: TN272.7
- Statistically indeterminate structures: TA650+
- Staves
 - Manufactures: TS890
- Steam accumulators
 - Steam boilers: TJ393
- Steam automobiles: TL200
- Steam boiler explosions: TJ299+
- Steam boilers: TJ281+
- Steam coil tanks
 - Hot water supply: TH6559
- Steam condensation heating tanks
 - Plumbing: TH6560
- Steam engine accessories: TJ555+
- Steam engineering: TJ268+
- Steam engines
 - Aircraft engines: TL704.4
 - Mechanical engineering: TJ461+
- Steam engines, Non-reciprocating: TJ720+
- Steam fire engines
 - Fire extinction: TH9376
- Steam fixtures of buildings: TH7561+
- Steam gages
 - Steam boilers: TJ370+
- Steam hammers
 - Machine shops: TJ1305+
- Steam heating of buildings: TH7561+
- Steam jacket
 - Steam engines: TJ531
- Steam-jacketed pans
 - Chemical technology: TP159.S7

INDEX

- Steam-laundry work: TT990
- Steam motorcars
 - Railway equipment: TF495
- Steam packing
 - Steam powerplants: TJ435
- Steam pipe covering
 - Steam powerplants: TJ427
- Steam power plants
 - Air pollution: TD888.S7
 - Mechanical engineering: TJ395+
 - Waste control: TD899.S68
- Steam pumps
 - Hydraulic machinery: TJ906+
- Steam separators
 - Steam powerplants: TJ441
- Steam shovels
 - Railroad construction: TF225+
- Steam syphons
 - Hydraulic machinery: TJ921
- Steam traps
 - Steam powerplants: TJ438
- Steam trucks: TJ705
- Steam turbines: TJ735+
- Steam valves
 - Steam powerplants: TJ430+
- Steam wagons: TJ705
- Steam water heaters
 - Hot water supply: TH6558+
- Steaming
 - Cooking process: TX691
- Steaming apparatus
 - Chemical technology: TP159.S73
- Stearates
 - Chemical technology: TP248.S76
- Stearic acid
 - Chemical technology: TP248.S8
- Stearman (Aircraft manufacturer): TL686.S7
- Steel
 - Aeronautics: TL699.S8
 - Electrical engineering: TK454.4.S7
 - Fire-resistive-building construction: TH1088.56
 - Heating: TS325
 - Housing material: TH4818.S73
 - Metal manufactures: TS300+
 - Metallurgy: TN730+
 - Motor vehicle construction materials: TL240.5.S74
 - Structural engineering: TA684+
- Steel alloys
 - Aeronautics: TL699.S8
 - Engineering materials: TA478+
 - Metallurgy: TN756+
- Steel and iron
 - Engineering materials: TA464+
- Steel beams
 - Structural engineering: TA660.S66
- Steel dams: TC549
- Steel furniture
 - Manufactures: TS408
- Steel pens
 - Stationery: TS1263
- Steel piling
 - Foundations: TA786
- Steel pipe
 - Sewers: TD686
- Steel plants
 - Metal manufactures: TS330
- Steel roofing
 - Building construction: TH2457
- Steel square
 - Carpentry and joinery: TH5619
- Steel-wood I-beams
 - Structural engineering: TA660.S67
- Steel work
 - Engineering: TA890+
- Steelworking
 - Metal manufactures: TS320
- Steelworks
 - Air pollution: TD888.S72
 - Electric lighting: TK4399.I7
 - Electric power: TK4035.S7
 - Energy conservation: TJ163.5.S83
 - Environmental effects: TD195.S7
 - Waste control: TD899.S7
- Steering apparatus
 - Airships: TL662.S8
- Steering gear
 - Motor vehicles: TL259
- Steganography, Image
 - Optical data processing: TA1636
- Stencil cutting
 - Handicrafts: TT270+
- Stencil printing
 - Textile decoration: TT852.6
- Stencil work
 - Handicrafts: TT270+
- Stephanite: TN432.S7
- Stepped gears
 - Mechanical movements: TJ192
- Stereo high fidelity systems
 - Electronics: TK7881.8+
- Stereophonic broadcasting
 - Radio: TK6562.S7
- Stereophotogrammetry: TA593.7
- Stereophotography: TR780
- Stereoscopic cameras
 - Photography: TR259
- Stereoscopic motion pictures: TR854
- Stereotomy
 - Masonry construction: TA672
- Sterilization
 - Canned foods: TP371.35
 - Chemical engineering: TP156.S8
 - Space vehicles: TL945

INDEX

- Sterilization
 - Wine and winemaking: TP548.5.S7
- Stevia
 - Cooking: TX819.S75
- Stevioside
 - Sweeteners: TP425
- Stewards' manuals
 - Hotels, clubs, restaurants, etc.: TX921
- Stewing
 - Cooking process: TX693
- Still life photography: TR656.5
- Stir frying
 - Cooking process: TX689.5
- Stitches
 - Decorative needlework: TT760
- Stochastic processes
 - Industrial engineering: T57.32+, T57.65
- Stochastic programming
 - Industrial engineering: T57.79
- Stock cars
 - Motor vehicles: TL236.28
 - Railway equipment: TF475
- Stock photography: TR690.6
- Stock preparation
 - Paper manufacture: TS1118.S85
- Stockkeeping
 - Inventory control: TS163
- Stockroom keeping
 - Hotels, clubs, restaurants, etc.: TX911.3.S8
- Stockrooms
 - Machine shops: TJ1150
- Stocks
 - Cooking: TX819.S8
- Stone
 - Housing material: TH4818.S75
 - Masonry construction: TA676
 - Masonry materials: TA426+
 - Pavements: TE257+
 - Roadmaking material: TE200+
 - Sidewalks: TE289
 - Stairbuilding: TH5667+
- Stone blocks
 - Pavements: TE261+
- Stone building construction: TH1201
- Stone, Coloring of
 - Painting: TT370
- Stone flooring: TH2529.S7
- Stone fruit
 - Cooking: TX813.S85
- Stone roofing
 - Building construction: TH2444+
- Stone walls
 - Building design and construction: TH2249
- Stonebreaking for roads: TE237
- Stonecrushers for road material: TE239
- Stonecutting
 - Building construction: TH5401+
- Stonemasonry
 - Building construction: TH5401+
- Stoneware
 - Ceramic technology: TP820
- Stonework
 - Manufactures: TS780+
- Stop-motion animated films: TR897.6
- Stop-motion animation
 - Cinematography: TR897.6
- Stoping
 - Mining: TN287
- Stoppings
 - Mining engineering: TN304
- Storage
 - Chemicals: TP205.S85
 - Food: TP373.3
 - Nuclear engineering: TK9152.165
- Storage and handling
 - Explosives: TP295
- Storage area networks
 - Electrical engineering: TK5105.86
- Storage batteries
 - Electrical engineering: TK2941
 - Locomotives: TJ669.S7
- Storage buildings: TH4451+
- Storage facilities
 - Plant service facilities: TS189.6
- Storage of coal: TN817
- Storage of foods in the home: TX599+
- Storage of hot water
 - Plumbing: TH6562+
- Storage of petroleum: TN871
- Storage systems
 - Cold water supply plumbing: TH6545
- Storage tanks
 - Cold water supply plumbing: TH6545
- Storage tubes
 - Electronics: TK7871.76
- Store fixtures
 - Wooden furniture: TS889
- Storerooms
 - Machine shops: TJ1150
 - Plant service facilities: TS189.6
- Stores, Retail
 - Electric lighting: TK4399.S8
 - Energy conservation: TJ163.5.S85
 - Environmental effects: TD195.R493
 - Fire prevention and extinction: TH9445.S8
 - Security in buildings: TH9745.S7
- Storm sewer system: TD665
- Stormproof construction
 - Building construction: TH1096
- Storms
 - Aeronautical meteorology: TL557.S7
- Stormwater infiltration: TD657.5
- Stout
 - Brewing and malting: TP578

INDEX

- Stoves
 - Cooking: TX657.S3+
 - Metal manufactures: TS425
- Stoves for commercial kitchens
 - Building construction: TH7135
- Stoves for heating
 - Building construction: TH7435+
- Straight-line mechanisms
 - Mechanical engineering: TJ181.8
- Straightening machines
 - Machine shops: TJ1300
- Strain gages
 - Testing of materials: TA413.5
- Strain hardening
 - Plastic properties and tests: TA418.18
- Strains
 - Aircraft propellers: TL706.S7
 - Airships: TL660.2
 - Bridge engineering: TG260+
 - Structural analysis: TA648.5
- Stratified charge engines
 - Internal combustion engines: TJ791
- Straw
 - Engineering materials: TA455.S8
 - Floor covering: TS1779.M2
 - Housing material: TH4818.S77
- Straw plaiting
 - Textile fiber: TS1747.S7
- Straw work
 - Decorative crafts: TT876
- Strawberries
 - Cooking: TX813.S9
- Stray currents
 - Electric railways: TF912
- Streak cameras
 - Photography: TR257.5
- Stream channelization
 - Hydraulic engineering: TC529
- Stream Control Transmission Protocol: TK5105.5835
- Stream gauging
 - Hydrodynamics: TC175+
- Stream pollution: TD425
- Streambank planting
 - River protective works: TC537
- Streaming technology
 - Electrical engineering: TK5105.386
- Streams
 - Sewage effluent discharge into: TD763+
- Streams, Discharge into
 - Sewage disposal: TD771.5
- Streams, Self-purification of
 - Disposal of sewage effluent: TD764
- Street cars
 - Electric railways: TF920+
- Street cleaning: TD813+
- Street food
 - Nutrition: TX368
- Street lighting: TP741
- Street photography: TR659.8
- Street railways: TF701+
- Street rods: TL236.3
- Street sprinkling
 - Street cleaning: TD863+
- Streets
 - Highway engineering: TE279
 - Lighting (nonelectric): TP741
 - Use of salt and chemicals in ice control: TD870
- Strela computer: TK7889.S7
- Strength
 - Boilermaking: TJ291
 - Brick: TA433
 - Cast iron: TA475
 - Cement: TA435
 - Concrete: TA440
 - Iron and steel: TA465
 - Metals: TA460
 - Mortar: TA437
 - Reinforced concrete: TA445
 - Soils: TA710+
 - Steel: TA473
 - Stone: TA427
 - Wood: TA420
 - Wrought iron: TA470
- Strength of materials: TA405+
- Strengthening mechanisms
 - Strength of materials: TA409.3
- Stress analysis
 - Strength of materials: TA407
- Stress, Deformation of materials under: TA417.6
- Stresses
 - Aircraft propellers: TL706.S7
 - Airships: TL660.2
 - Bridge engineering: TG260+
 - Structural analysis: TA648.3
- Stresses, Thermal
 - Engineering materials: TA418.58
 - Structural engineering: TA654.8
- String
 - Decorative crafts: TT880
- String craft: TT880
- Strip adjustment
 - Photographic triangulation: TA593.83
- Strip mining: TN291
 - Environmental effects: TD195.S75
- Striped bass
 - Cooking: TX748.S75
- Stroboscopy: TA1820
- Strontium: TN490.S8
 - Chemical technology: TP245.S8
- Structural analysis
 - Air frames: TL671.6
 - Bridges: TG260+
 - Structural engineering: TA645+
- Structural design: TA658+

INDEX

- Structural details
 - Airplanes: TL674
- Structural drawing
 - Mechanical drawing: T355
- Structural drawings
 - Building design and construction: TH2031
- Structural dynamics
 - Bridge engineering: TG265
 - Space vehicles: TL910
 - Structural analysis: TA654+
- Structural elements for landscape construction, Building of:
 - TH4961+
- Structural engineering: TA630+
- Structural engineering of buildings
 - Building construction: TH845+
- Structural failure: TA656+
- Structural health monitoring
 - Structural analysis: TA656.6
- Structural iron and steel
 - Manufactures: TS350
- Structural optimization
 - Structural engineering: TA658.8
- Structural parts
 - Airplanes: TL674
- Structural protection
 - Engineering: TA900
- Structure-soil interaction
 - Soil mechanics: TA711.5
- Structures, Submerged
 - Hydraulic engineering: TC201
- Structures, Vertical evacuation
 - Building construction: TH1096.5
- Struts
 - Airplanes: TL674
 - Structural engineering: TA660.S7
- Struts framework
 - Web authoring software: TK5105.8885.S76
- Stucco
 - Building construction: TH1461+
 - Engineering materials: TA455.S84
 - Masonry: TH5371
- Students
 - Photographic portraits: TR681.S78
- Studio lighting
 - Photography: TR573
- Studios
 - Photography: TR550+
- Study and teaching of industrial design: TS171.44
- Stuffed foods
 - Cooking: TX836
- Stuffing box
 - Steam engines: TJ529
- Stump work embroidery: TT778.S75
- Stun guns
 - Electronics: TK7882.S78
- Stunt driving: TL152.58
- Stunt flying: TL711.S8
- Styrene
 - Effect on food: TX572.S79
 - Plastics: TP1180.S7
- Subbituminous coal
 - Mining: TN828+
- Subdivisions
 - Engineering: TH350
- Subgrade soils
 - Analysis: TE208+
- Subgrade structure
 - Highway engineering: TE211
- Sublimation
 - Chemical engineering: TP156.S9
- Submachine guns
 - Manufactures: TS536.9
- Submarine blasting
 - Hydraulic engineering: TC191+
- Submarine building
 - Hydraulic engineering: TC195+
- Submarine drilling
 - Hydraulic engineering: TC193
- Submarine foundations
 - Hydraulic engineering: TC197
- Submarine telegraph
 - Engineering: TK5601+
- Submarine telephone cables: TK6370+
- Submersible pumps
 - Hydraulic machinery: TJ927
- Submillimeter waves
 - Electronics: TK7877
- Subsidences
 - Mining: TN319
- Substations
 - Electric lighting: TK4237
 - Electric power plants: TK1751
 - Telephone: TK6241
- Subsurface disposal
 - Sewage effluent: TD761
- Subterranean photography: TR788
- Subways
 - Engineering: TF845+
 - Environmental effects: TD195.S9
- Sucrose
 - Chemical technology: TP375+
- Suez Canal: TC791
- Sugar
 - Cooking: TX819.S94
 - Food constituent: TX553.S8
 - Food values: TX560.S9
- Sugar byproducts: TP414.5
- Sugar cane industry
 - Environmental effects: TD195.S93
- Sugar esters
 - Chemical technology: TP248.S9
- Sugar factories
 - Air pollution: TD888.S77
 - Electric power: TK4035.S9

INDEX

- Sugar industry
 - Energy conservation: TJ163.5.S93
 - Waste control: TD899.S8
- Sugar-making machinery: TP381
- Sugar products: TP414.3+
- Sugarcane wax: TP679.S8
- Sugars and syrups
 - Chemical technology: TP375+
- SuiteSpot (Netscape): TK5105.883.N493
- Sulfate process
 - Woodpulp industry: TS1176.6.S9
- Sulfate waste liquor
 - Woodpulp industry: TS1176.6.S915
- Sulfates
 - Air pollutants: TD887.S78
 - Inorganic chemicals: TP240
 - Soil pollutants: TD879.S85
- Sulfides
 - Ore deposits and mining: TN495.S9
 - Ore dressing and milling: TN538.S84
 - Prospecting: TN271.S88
 - Water pollutants: TD427.S94
- Sulfite liquor
 - Woodpulp industry: TS1176.6.S92
- Sulfite process
 - Woodpulp industry: TS1176.6.S93
- Sulfites
 - Inorganic chemicals: TP240
- Sulfoaluminate cement
 - Cement manufacture: TP884.S84
- Sulfonated oils: TP675
- Sulfonitriding
 - Metal finishing: TS695.7
- Sulfur
 - Air pollutants: TD887.S82
 - Chemical technology: TP245.S9
 - Engineering materials: TA455.S93
 - Environmental pollutants: TD196.S95
 - Food constituent: TX553.S85
 - Mining engineering: TN890
 - Prospecting: TN271.S9
 - Water pollutants: TD427.S94
- Sulfur cement
 - Cement manufacture: TP884.S85
- Sulfur compounds
 - Petroleum products: TP692.4.S9
 - Water pollutants: TD427.S94
- Sulfur dioxide
 - Air pollutants: TD885.5.S8
 - Chemical technology: TP244.S83
- Sulfur dyes
 - Textile dyes: TP918.S8
- Sulfur hexafluoride
 - Insulating material: TK3441.S8
- Sulfur organic compounds
 - Chemical technology: TP248.S93
- Sulfur oxides
 - Air pollutants: TD885.5.S85
- Sulfuric acid: TP215
- Sulfuric acid plants
 - Air pollution: TD888.S8
- Sulfurous acid
 - Effect on food: TX572.S9
- Summer homes
 - Construction: TH4835
- Summer pieces
 - Building construction: TH7433
- Sun
 - Flights to: TL799.S86
- Sunflower seed oil
 - Chemical technology: TP684.S8
- Sunspaces
 - Building design and construction: TH3000.S85
- Superchargers
 - Aircraft engines: TL702.S8
 - Gasoline automobiles: TL214.S8
 - Miscellaneous motors and engines: TJ762.S95
- Superconductors
 - Electrical engineering: TK454.4.S93
 - Electronics: TK7872.S8
 - Metallography: TN693.S9
- Superheated steam
 - Locomotives: TJ693
 - Steam engineering: TJ272
- Superheaters
 - Steam engineering: TJ272
- Superheating reactors
 - Nuclear engineering: TK9203.S86
- Superintendence
 - Bridge engineering: TG315
 - Construction sites: TH438+
 - Electrical enterprises: TK441+
 - Heating of buildings: TH7338
 - Plumbing: TH6238
- Superphosphates
 - Fertilizers: TP963.4.S9
- Supersonic aerodynamics: TL571
- Supersonic compressors
 - Turbines: TJ267.5.C6
- Supersonic nozzles
 - Turbines: TJ267.5.N6
- Superstructure
 - Railway construction: TF240+
- Supervisory control systems
 - Mechanical engineering: TJ222
- Suppers
 - Cooking: TX738
- Supplies
 - Blacksmithing: TT224
 - Chemical engineering: TP157+
 - Color photography: TR515
 - Electric railways: TF950+
 - Heating of buildings: TH7345

INDEX

Supplies

- Machine shops: TJ1150
- Petroleum pipelines: TN879.54
- Photography: TR196+
- Pollution control methods: TD192
- Textile arts: TT845
- Wine and winemaking: TP548.5.A6
- Woodworking: TT186

Support systems, Decision

- Industrial engineering: T58.62

Supporting surfaces

- Airplanes: TL672+

Supports

- Boilermaking: TJ293
- Pipelines: TJ930.5

SURAnet

- Computer networks: TK5105.875.S95

Surface

- Steam engines: TJ561

Surface active agents

- Organic chemical industries: TP994

Surface analysis

- Chemical engineering: TP156.S95

Surface effects

- Engineering materials: TA418.7+

Surface hardening

- Steel metallurgy: TN752.S8

Surface impoundments

- Hazardous waste treatment facilities: TD1054

Surface tests

- Engineering materials: TA418.7+

Surface transportation: TN341

Surround-sound systems

- Electronics: TK7881.83

Surveying: TA501+

- Railway construction: TF200

Surveying of cities

- City planning: TD167

Surveyor project: TL789.8.U6S9

Survival after airplane accidents: TL553.7

Survival and rescue narratives

- Aeronautics: TL553.9.A1+

Susidences

- Building construction: TH1094+

Suspended ceilings

- Building: TH2533.S88

Suspended railways: TF693

Suspension

- Motor vehicles: TL257+

Suspension bridges: TG400

Suspension roofs

- Building construction: TH2417

Sustainable buildings

- Architectural engineering: TH880

Sustainable construction

- Architectural engineering: TH880

Sustainable engineering: TA163

Sustainable practices

- Telecommunication: TK5102.86

Suzuki motorcycle: TL448.S8

Swac computer: TK7889.S8

Swamps

- Reclamation: TC975

Sweaters

- Clothing manufacture: TT679+

- Knitting and crocheting: TT825

Sweepback

- Airplanes: TL673.S9

Sweet potatoes

- Cooking: TX803.S94

- Food processing and manufacture: TP444.S94

- Food values: TX558.S94

Sweeteners

- Flavoring aids: TP421+

Sweeteners, Artificial

- Effect on food: TX571.S9

Swimmers

- Photographic portraits: TR681.S88

Swimming pools

- Building construction: TH4763

Swing bridges: TG420

Switchboards and accessories

- Dynamoelectric machinery: TK2821+

- Telegraph: TK5491

Switchboards and accessories for line connections:

- TK6391+

Switched capacitor circuits

- Electronic circuits: TK7868.S88

Switched multi-megabit data service

- Computer networks: TK5105.875.S97

Switches

- Dynamoelectric machinery: TK2831

- Railway construction: TF266+

Switchgear

- Radio: TK6565.S9

Switching

- Electronic circuits: TK7868.S9

Switching circuits

- Computer engineering: TK7888.4

Switching diodes

- Semiconductors: TK7871.89.S95

Switching of cars

- Trains: TF592

Switching systems

- Electrical engineering: TK5103.8

Syenite

- Mining engineering: TN948.S9

Symbols

- Industrial engineering: T55.52

- Technology: T8

Synchronizers

- Electrical engineering: TK381

Synchronous alternating-current machinery: TK2731

INDEX

Synchronous digital hierarchy
 Synchronous transfer systems: TK5105.42
 Synchronous motors
 Alternating-current motors: TK2787
 Synchronous telegraph system: TK5535
 Synchronous transfer systems
 Electrical engineering: TK5105.4+
 Synthetic aperture radar: TK6592.S95
 Synthetic dyes
 Textile decoration: TT854.5
 Synthetic fibers
 Textile industries: TS1548.2+
 Synthetic fuels industry
 Environmental effects: TD195.S95
 Synthetic petroleum
 Fuel: TP355
 Mineral oils and waxes: TP698
 Synthetic rubber
 Manufactures: TS1925
 Synthetic textile fibers
 Dyeing: TP904
 Manufactures: TS1548.2+
 Synthetic training devices
 Technical education: T65.5.S9
 Syrups
 Carbonated beverages: TP636
 Cooking: TX819.S96
 System failures: TA169.5+
 Systems analysis
 Industrial engineering: T57.6+
 Systems engineering: TA168
 Astronautics: TL870+
 Systems, Neuroadaptive
 Human engineering: TA167.5
 Systems of electric lighting: TK4303+
 Systems on a chip: TK7874.888
 Systems reliability: TA169+

T

Table
 Dining-room service: TX871+
 Table arrangement
 Dining-room service: TX873
 Table carving
 Dining-room service: TX885
 Table covers
 Embroidery: TT775
 Table decoration
 Dining-room service: TX879
 Hotels, clubs, restaurants, etc.: TX911.3.T32
 Table furnishings
 Dining-room service: TX877
 Table, Pleasures of
 Nutrition: TX631+
 Table service
 Hotels, clubs, restaurants, etc.: TX925

Table serving
 Dining-room service: TX881
 Table setting
 Hotels, clubs, restaurants, etc.: TX911.3.T32
 Table-top photography: TR683.5
 Tables
 Air navigation: TL587
 Chemical technology: TP151
 Home economics: TX151+
 Ore dressing and milling: TN520+
 Precious metals: TS729
 Wood manufactures: TS886.5.T3
 Woodworking: TT197.5.T3
 Tabletop fountains
 Decorative crafts: TT899.74
 Tablets
 Stonework: TS788
 Tacan
 Aeronautical navigation equipment: TL696.T3
 Tachometer
 Aeronautical instruments: TL589.7.T3
 Taconite
 Ore deposits and mining: TN402.T3
 TACV
 High speed ground transportation: TF1580
 Tail skids
 Airplanes: TL683.S5
 Taildragger flying
 Airplanes: TL711.T28
 Tailings dam failures
 Mines: TN319.5
 Tailless airplanes: TL684.6
 Tailoring, Men's: TT570+
 Tailplane
 Airplanes: TL677.S8
 Takeoff
 Airplanes: TL711.T3
 Talc
 Electrical engineering: TK454.4.T3
 Engineering materials: TA455.T3
 Mining engineering: TN948.T2
 Tall buildings
 Fire prevention and extinction: TH9445.T18
 Heating and ventilation: TH7392.T34
 Plumbing: TH6515.T35
 Sanitary engineering: TH6057.T23
 Tall oil
 Chemical technology: TP684.T3
 Tallow
 Manufactures: TS1980+
 Tangential water wheels: TJ866
 Tank cars
 Railway equipment: TF481
 Tank systems
 Hot water supply plumbing: TH6551
 Tanks
 Aircraft engines: TL702.F8

INDEX

- Tanks
 - Plastic: TP1185.T3
 - Structural engineering: TA660.T34
- Tanneries
 - Environmental effects: TD195.T35
 - Fire prevention and extinction: TH9445.T2
 - Waste control: TD899.T3
- Tanning
 - Manufactures: TS940+
- Tanning materials
 - Manufactures: TS985
- Tannins
 - Manufactures: TS985
- Tantalum: TN490.T2
 - Chemical technology: TP245.T2
 - Engineering materials: TA480.T34
 - Metallography: TN693.T34
 - Metallurgy: TN799.T3
 - Prospecting: TN271.T3
- Taper
 - Airplanes: TL673.T4
- Tapes
 - Packaging materials: TS198.3.A3
- Tapestry
 - Hand weaving: TT849
 - Textile industries: TS1780
 - Wall decoration: TH8481
- Tapioca
 - Starch: TP416.T3
- Tapping of the line
 - Electrical engineering: TK3101
- Taps and dies
 - Fasteners: TJ1335
- Tar
 - Composition roofing: TH2451
- Taro
 - Cooking: TX803.T37
- Tarred roads: TE244
- Tartaric acid
 - Chemical technology: TP248.T27
- Tartrates
 - Chemical technology: TP248.T3
- Tassels
 - Decorative crafts: TT899.5
- Tatting
 - Textile arts: TT840.T38
- Taverns: TX950+
- Taxicabs: TL232.5
- TCP/IP
 - Computer network protocols: TK5105.585
- TDMA (Wireless communication systems): TK5103.486
- Tea
 - Adulteration: TX585
 - Chemical technology: TP650
 - Cooking: TX817.T3
 - Nonalcoholic beverages: TP638+
 - Nutrition: TX415
- Tea (as a flavor)
 - Cooking: TX819.T43
- Tea making paraphernalia
 - Cooking: TX657.T43
- Tear gas munitions
 - Manufactures: TS538.5
- Tearooms
 - Food service: TX945+
- Technetium
 - Water pollutants: TD427.T42
- Technical applications
 - Photography: TR692+
- Technical chemistry of plastics
 - Analysis: TP1140
- Technical education
 - Industrial engineering: T61+
- Technical hydraulics
 - Hydraulic engineering: TC160+
- Technical information
 - Communication: T10.5+
- Technical measurement: T50
- Technical processes
 - Ceramic technology: TP814
 - Plastics: TP1150+
- Technical schools
 - Industrial engineering: T61+
- Technical writing: T11+
- Technological change: T173.2+
- Technological forecasting: T174
- Technological innovations: T173.8
 - Chemical engineering: TP155.2.T43
 - Hazardous substances and their disposal: TD1050.T43
- Technology assessment: T174.5
- Technology indicators: T174.2
- Technology transfer: T174.3
 - Astronautics: TL865
- Tee stiffeners, Metal
 - Engineering and construction: TA492.T4
- Teenage girls
 - Nutrition: TX361.T44
- Tehuantepec Canal: TC785
- Tehuantepec Ship Railway: TC786
- Telecommunication
 - Electrical engineering: TK5101+
 - Space vehicles: TL3025+
- Telecommunication as a profession: TK5102.6
- Telecommunication lines: TK5103.15
 - Environmental effects: TD195.E37
- Telegraph
 - Aircraft communication: TL693+
 - Amateurs' manuals: TK9941+
 - Engineering: TK5107+
 - Railroad signaling: TF627+
 - Testing: TK5385
- Telegraph alphabets: TK5509
- Telegraph branch stations: TK5341
- Telegraph circuits, Wiring of: TK5441+

INDEX

- Telegraph codes
 - Aircraft: TL694.C6
- Telegraph enterprises, Management of: TK5283+
- Telegraph line: TK5301+
- Telegraph plants: TK5301+
- Telegraph stations: TK5301+
- Telegraph stations, Central: TK5321+
- Telegraph wires and cables: TK5481
- Telegraphing systems: TK5501+
- Telegraphones: TK6500
- Telematics
 - Computer networks: TK5105.6
 - Motor vehicles: TL272.58
- Telemeter systems
 - Electrical engineering: TK399
- Telemetry
 - Aircraft communication equipment: TL694.T35
 - Rockets: TL784.T5
- Telephone: TK6001+
 - Amateurs' manuals: TK9951
 - Railroad signaling: TF627+
- Telephone companies
 - Management: TK6183+
- Telephone connection systems: TK6394+
- Telephone lines
 - Telephone connections: TK6351+
- Telephone plants: TK6201+
- Telephone receivers: TK6481
- Telephone stations: TK6201+
- Telephone stations, Central: TK6211+
- Telephone wiremen's manuals: TK6345
- Telephone wires and cables: TK6381+
- Telephonographs: TK6500
- Telephoto lenses
 - Photography: TR271.T44
- Telephotography: TR770
- Telescopic sights
 - Gunsmithing: TS535.2.T4
- Teletext systems: TK6679.7
- Teletype
 - Aircraft communication equipment: TL694.T4
- Television: TK6630+
 - Aircraft communication: TL693+
 - Aircraft navigation equipment: TL695+
 - Amateurs' manuals: TK9960+
 - Space vehicles: TL3040
 - Technical education: T65.5.T4
- Television as a profession: TK6644
- Television camera operation
 - Cinematography: TR882.5
- Television cameras
 - Cinematography: TR882+
- Television relay systems: TK6648+
- Television stations: TK6646
 - Building construction: TH4656
- Telford roads: TE241
- Tellurium: TN490.T5
- Tellurium
 - Chemical technology: TP245.T3
 - Metallography: TN693.T4
- Telpherage
 - Conveying machinery: TJ1385+
- Telstar (Artificial satellite): TK5104.2.T4
- Tempeh
 - Cooking: TX814.5.T45
 - Food values: TX558.T39
- Temperature
 - Effects on viscous flow and yield strength: TA418.24+
- Temperature-dependent properties and tests: TA418.24+
- Temperature measurements
 - Steel: TN731
- Tempering
 - Steel metallurgy: TN752.T4
- Temporary storage of discarded materials
 - Nuclear engineering: TK9152.165
- Tenite
 - Plastics: TP1180.T4
- Tennis players
 - Nutrition: TX361.T45
- Tensile architecture
 - Structural engineering: TA660.T46
- Tension
 - Testing of materials: TA417.7.T4
- Tension leg platforms
 - Ocean engineering: TC1703
- Tensionmeter
 - Aeronautical instruments: TL589.2.T4
- Tensor analysis
 - Engineering mathematics: TA347.T4
- Tent making
 - Textile industries: TS1860
- Tequila
 - Distilled liquors: TP607.T46
- Terahertz technology
 - Electronics: TK7877
- Terbium
 - Chemical technology: TP245.T4
- Terephthalic acid
 - Chemical technology: TP248.T46
- Terminal management
 - Trains: TF590+
- Terminally ill
 - Photographic portraits: TR681.T47
- Terminals: TF300+
 - Computer engineering: TK7887.8.T4
 - Generators: TK2488
 - Transportation engineering: TA1225
- Termites
 - Deterioration of wood: TA423.7
- Terra-cotta
 - Architectural ceramics: TP835
 - Fire-resistive building construction: TH1077+
 - Masonry materials: TA432+

INDEX

- Terrace houses
 - Construction: TH4825
- Terraces
 - Building construction: TH4970
- Test of vision
 - Railway operation: TF620
- Testing
 - Aircraft engines: TL701.8
 - Aircraft propellers: TL706.T4
 - Airplanes: TL671.7
 - Airships: TL660.4+
 - Alternating-current machinery: TK2723
 - Brick: TA433
 - Building gas supply: TH6860
 - Cast iron: TA475
 - Cement: TA435
 - Color photography: TR515
 - Concrete: TA440
 - Direct current machinery: TK2623
 - Dynamolectric machinery: TK2316
 - Electric machinery and appliances: TK401
 - Electric power distribution systems: TK3081
 - Electronics: TK7874.58
 - Fuel: TP321+
 - Heating of buildings: TH7341
 - Iron and steel: TA465
 - Leather industries: TS967
 - Line insulators: TK3246
 - Materials: TA410+
 - Metals: TA460
 - Military airplanes: TL685.3
 - Mortar: TA437
 - Motor vehicles: TL285
 - Packaging: TS195.8
 - Paper manufacture: TS1109
 - Plumbing: TH6241
 - Preservation of wood: TA424.2
 - Prime movers: TJ253
 - Radio: TK6553
 - Railway equipment: TF361
 - Railway operation: TF537
 - Reinforced concrete: TA445
 - Roadmaking materials: TE205
 - Rocket manufacture: TL784.5.T4
 - Sewage sludge: TD767.4+
 - Space vehicles: TL920
 - Steam boilers: TJ297
 - Steel: TA473
 - Stone: TA427
 - Telephone apparatus: TK6285
 - Telephone line and material: TK6285
 - Textile industries: TS1449
 - Tobacco industry: TS2249
 - Watches and clocks: TS548
 - Wine and winemaking: TP548.5.A5
 - Wood: TA420
 - Wood pulp: TS1176.6.T4
- Testing
 - Wrought iron: TA470
- Testing laboratories
 - Electrical engineering: TK411+
 - Engineering: TA416+
- Testing machines
 - Testing of materials: TA413+
- Testing methods
 - Rock mechanics: TA706.5
- Testing of soils
 - Soil mechanics: TA710.5
- Tests
 - Air pilots: TL555
 - Examination and analysis of food: TX551+
 - Gas industry: TP754
 - Steam engines: TJ475
- Tethered satellites: TL798.T47
- TETRA
 - Wireless communication systems: TK5103.488
- Textile arts and crafts: TT699+
- Textile bleaching
 - Chemical technology: TP890+
- Textile chemistry: TS1474.5
- Textile decoration
 - Handicrafts: TT851+
- Textile design
 - Textile industries: TS1475
- Textile dyeing
 - Chemical technology: TP890+
 - Textile decoration: TT853+
- Textile fabrics
 - Packaging materials: TS198.3.T5
 - Textile industries: TS1760+
- Textile factories
 - Dust removal: TH7697.T4
 - Electric power: TK4035.T4
 - Fire prevention and extinction: TH9445.M5
 - Heating and ventilation: TH7392.T47
 - Ventilation: TH7684.T25
- Textile fibers
 - Textile industries: TS1540+
- Textile finishing
 - Textile arts: TT849.7
- Textile industry
 - Energy conservation: TJ163.5.T48
 - Environmental effects: TD195.T48
 - Manufactures: TS1300+
 - Noise control: TD893.6.T4
 - Waste control: TD899.T4
- Textile machinery
 - Electric driving: TK4059.T48
 - Manufactures: TS1525
- Textile mills
 - Air conditioning: TH7688.F3
 - Building construction: TH4521
- Textile painting: TT851

INDEX

- Textile printing
 - Chemical technology: TP890+
 - Textile arts and crafts: TT852+
- Textile roofing
 - Building construction: TH2449
- Textile setting: TS1511
- Textile supplies
 - Textile industries: TS1529+
- Textured soy protein
 - Cooking: TX814.5.T48
- Textures
 - Artistic photography: TR682
- Thallium
 - Chemical technology: TP245.T5
 - Environmental pollutants: TD196.T45
- Thanksgiving
 - Cooking: TX739.2.T45
- Thanksgiving decorations
 - Decorative crafts: TT900.T5
- Thatch roofing
 - Building construction: TH2435
- Thaw houses
 - Explosives: TP295
- Thawing of pipes
 - Plumbing: TH6685
- Theater photography: TR817
- Theaters
 - Electric lighting: TK4399.T6
 - Electric sound control: TK7881.9
 - Fire prevention and extinction: TH9445.T3+
 - Heating and ventilation: TH7392.T5
 - Sanitary engineering: TH6057.T3
 - Ventilation: TH7684.T3
- Theodolite
 - Aeronautical instruments: TL589.2.T5
 - Surveying instruments: TA575
- Theory of structures
 - Structural engineering: TA645+
- Thermal analysis
 - Food: TX544
- Thermal batteries
 - Electrical engineering: TK2953
- Thermal conductivity
 - Thermal properties: TA418.54
- Thermal energy systems: TJ255+
- Thermal expansion
 - Properties of materials: TA418.56+
- Thermal pollution
 - Water pollutants: TD427.H4
- Thermal properties
 - Electronic apparatus and materials: TK7870.25
 - Walls: TH1715+
- Thermal properties and tests
 - Engineering materials: TA418.52+
- Thermal stresses
 - Engineering materials: TA418.58
 - Structural engineering: TA654.8
- Thermionic converters
 - Electrical engineering: TK2955
- Thermistors
 - Electronics: TK7871.98
- Thermodynamics
 - Heat engines: TJ265
 - Mechanical engineering: TJ756
 - Refrigeration and icemaking: TP492.5
 - Space vehicles: TL900
 - Steam engines: TJ483.5.T47
- Thermodynamics
 - Chemical engineering: TP155.2.T45
- Thermoelectric cooling: TP492.9
- Thermoelectric devices
 - Space vehicles: TL1102.T4
- Thermoelectricity
 - Electrical engineering: TK2950+
- Thermoforming
 - Plastics: TP1151.T48
- Thermomechanical treatment
 - Steel metallurgy: TN752.T54
- Thermometers
 - Aeronautical instruments: TL589.2.T53
 - Control engineering: TJ223.T4
 - Nuclear engineering: TK9183.T54
- Thermoplastics
 - Plastics: TP1180.T5
- Thermosetting plastics
 - Plastics: TP1180.T55
- Thermostatic expansion valves
 - Refrigeration and icemaking machinery: TP495.3.T47
- Thermostats
 - Central heating: TH7466.5
 - Range water heaters: TH6557
- Thermosyphons: TJ263.2
- Thick-walled elements
 - Structural engineering: TA660.T48
- Thin film devices
 - Electronics: TK7872.T55
- Thin film transistors: TK7871.96.T45
- Thin films
 - Engineering materials: TA418.9.T45
- Thin layer chromatography
 - Food analysis: TX548.2.T48
- Thin-walled elements
 - Structural engineering: TA660.T5
- Thinners
 - Paints: TP937.7
- Third-rail railroads
 - Electric railways: TF890
- Thorium: TN490.T55
 - Chemical technology: TP245.T6
 - Metallography: TN693.T45
 - Metallurgy: TN799.T4
 - Prospecting: TN271.T4
- Thread manufacture
 - Cotton manufactures: TS1590

INDEX

- Thread numbers
 - Textile industries: TS1450
- Three-dimensional display systems: TK7882.T47
- Three-dimensional imaging
 - Applied optics: TA1560
- Three-dimensional integrated circuits: TK7874.893
- Three-dimensional motion pictures: TR854
- Three-dimensional printing
 - Industrial design: TS171.95
- Three-dimensional video
 - Digital video: TK6680.8.A15
- Three Gorges Dam (China): TC558.C52S26
- Three-moment theorem: TA650+
- Three-phase current systems
 - Electrical engineering: TK3156
- Three-phase currents
 - Electrical engineering: TK1165
- Threshing machines
 - Agricultural machinery: TJ1486
- Thrift
 - Food shopping: TX356
- Through-the-wall imaging
 - Radar: TK6592.T48
- Thrust
 - Aerodynamics: TL574.L5
 - Aircraft propellers: TL706.T5
 - Rockets: TL784.T4
- Thrust reversers
 - Jet engines: TL709.5.T5
- Thulium
 - Chemical technology: TP245.T7
- Thyratrons
 - Electronics: TK7871.83
- Thyristors
 - Electronics: TK7871.99.T5
- Tidal power
 - Hydraulic engineering: TC147
- Tie-dyeing
 - Textile decoration: TT853.5
- Tie plates
 - Railway construction: TF257
- Ties
 - Railway construction: TF252+
- Tile
 - Building construction: TH8541+
 - Cement manufacture: TP885.P5
 - Decorative furnishings: TH8521+
 - Fire-resistive building construction: TH1077+
 - Masonry materials: TA432+
- Tile-concrete combination systems
 - Fire-resistive-building construction: TH1089
- Tile craft
 - Decorative crafts: TT927
- Tile industry
 - Waste control: TD899.T55
- Tile roofing
 - Building construction: TH2448
- Tilefish
 - Cooking: TX748.T54
- Tilelaying
 - Decorative furnishings: TH8521+
- Tiles
 - Architectural ceramics: TP837
 - Plastic: TP1185.T5
- Tilt
 - Photography in surveying: TA593.9.T54
- Timber and concrete
 - Masonry materials: TA442
- Timbering
 - Mine ground control: TN289
- Timbers
 - Aeronautics: TL699.W6
- Time and motion study
 - Industrial engineering: T60+
- Time code
 - Editing of motion pictures: TR899.5
- Time dependent properties and tests: TA418.3+
- Time-lapse photography
 - Cinematography: TR857
- Time measurement, Methods
 - Industrial engineering: T60.52
- Time measurements
 - Electronics: TK7878.2
- Time schedules
 - Railway operation: TF565
- Time stamps industry: TS2301.T5
- Time study
 - Industrial engineering: T60.4+
 - Machine shops: TJ1143
- Timekeeping
 - Highway engineering: TE185
- Timers
 - Control engineering: TJ223.T5
- Timing
 - Electronic circuits: TK7868.T5
- Timing belts
 - Gasoline automobiles: TL214.T55
- Timing chains
 - Gasoline automobiles: TL214.T55
- Tin
 - Chemical technology: TP245.T8
 - Effect on food: TX572.T6
 - Engineering materials: TA480.T5
 - Metallurgy: TN793
 - Ore deposits and mining: TN470+
 - Ore dressing and milling: TN538.T55
 - Prospecting: TN271.T5
 - Utilization of waste: TP996.T5
- Tin can craft: TT266+
- Tin industry
 - Dust removal: TH7697.T5
- Tin mines and mining
 - Environmental effects: TD195.T56

INDEX

- Tin ores
 - Assaying: TN580.T5
- Tin roofing
 - Building construction: TH2455
- Tin shingling
 - Building construction: TH2455
- TINA (Computer network protocols): TK5105.586
- Tinning
 - Metal finishing: TS660
- Tinplate
 - Manufactures: TS590+
- Tinsmithing: TS600+
- Tinsmiths' supplies
 - Manufactures: TS619
- Tinting
 - Mechanical drawing: T357
- Tintype
 - Photography: TR375
- Tinware
 - Manufactures: TS619
- Tinwork
 - Handicrafts: TT266+
- Tipping
 - Aircraft propellers: TL707.T5
- Tips of wings
 - Airplanes: TL673.T4
- Tire houses
 - Building construction: TH4818.T57
- Tires
 - Airplanes: TL683.T5
 - Cycles: TL425
 - Motor vehicles: TL270
- Tissue paper: TS1168
- Titanium: TN490.T6
 - Aeronautics: TL699.T56
 - Chemical technology: TP245.T85
 - Electronics: TK7871.15.T56
 - Electroplating: TS692.T5
 - Engineering and construction: TA480.T54
 - Manufactures: TS562
 - Metallography: TN693.T5
 - Metallurgy: TN799.T5
 - Ore dressing and milling: TN538.T57
 - Powder metallurgy: TN697.T5
 - Prospecting: TN271.T55
- Titanium steel
 - Metallurgy: TN757.T5
- Titling
 - Motion picture film: TR886.9
- TK toolkit
 - Web authoring software: TK5105.8885.T54
- TLV
 - High speed ground transportation: TF1560+
- TMN
 - Electrical engineering: TK5105.45
- TNT
 - Explosives: TP290.T8
- Toaster oven cooking: TX840.T63
- Toasters
 - Cooking: TX657.T58+
- Tobacco industry
 - Manufactures: TS2220+
- Tocopherol
 - Chemical technology: TP248.T55
- Tofu
 - Cooking: TX814.5.T63
 - Food processing: TP438.S6
 - Food values: TX558.T57
- Toilet rooms
 - Plumbing: TH6485+
- Toilets
 - Plumbing: TH6498
- Tole painting: TT385
- Tolerances
 - Product engineering: TS172
- Toluene
 - Chemical technology: TP248.T6
 - Petroleum products: TP692.4.T6
- Tomato juice
 - Cooking: TX814.5.T64
- Tomato paste
 - Cooking: TX814.5.T65
- Tomatoes
 - Adulteration: TX595.T6
 - Cooking: TX803.T6
 - Food processing and manufacture: TP444.T6
 - Food values: TX558.T6
 - Preservation and storage: TX612.T7
- Tombstones
 - Stonework: TS788
- Ton-miles
 - Railway operation: TF555
- Tongs
 - Machine shops: TJ1201.T64
- Toning
 - Photographic positives: TR335
- Tool cars
 - Railway equipment: TF485
- Tool life
 - Equipment analysis: TS181.4
- Tool steel
 - Metal manufactures: TS320
- Toolboxes
 - Woodworking: TT197.5.T65
- Toolrooms
 - Plant service facilities: TS189.3
- Tools
 - Building construction: TH915
 - Carpentry: TH5618
 - Engineering: TA213+
 - Fermentation industries: TP517
 - Handrail joinery: TH5677
 - Joinery: TH5618
 - Stonecutting: TH5440

INDEX

- Tools
 - Stonemasonry: TH5440
 - Street cleaning: TD860
 - Textile arts: TT845
 - Woodworking: TT186
- Toon Boom animate
 - Computer animation software: TR897.72.T66
- Toothed gears
 - Mechanical engineering: TJ184+
- Topographic drawing
 - Surveying: TA616
- Topographical surveying: TA590
- TOPS: TK5105.8.T65
- Torches: TP743
- Torquemeters
 - Machinery exclusive of prime movers: TJ1053.5
- Torsion
 - Testing of materials: TA417.7.T6
- Tortillas
 - Cooking: TX770.T65
- Tote bags
 - Clothing manufacture: TT667
- Toupees
 - Hairwork: TT975
- Tourism
 - Wine and winemaking: TP548.5.T68
- Tourist trade
 - Environmental effects: TD195.T68
- Towels
 - Textile industries: TS1781
- Towers
 - Building design and construction: TH2180
 - Electric power: TK3242
 - Structural engineering: TA660.T6
- Towing
 - Canals: TC767+
 - Motor vehicles: TL153.7
- Towing apparatus
 - Aeronautical research: TL567.T6
- Toy balloons: TL633
- Toy industry
 - Manufactures: TS2301.T7
- Toy-knitting: TT829
- Toys
 - Handicrafts: TT174+
- Trace elements
 - Assaying: TN580.T73
 - Environmental pollutants: TD196.T7
 - Food constituent: TX553.T7
 - Water pollutants: TD427.T7
- Track
 - Electric railways: TF870+
 - Railway construction: TF240+
- Track maintenance equipment
 - Railway operation: TF538.5
- Track tanks
 - Railway structures: TF271
- Tracked air cushion vehicle
 - High speed ground transportation: TF1580
- Tracked levitated vehicle
 - High speed ground transportation: TF1560+
- Tracking
 - Hazardous substances and their disposal: TD1050.T73
- Tracklaying machinery
 - Railway construction: TF248
- Tracklaying vehicles: TL234+
- Trackmasters' manuals: TF538
- Traction
 - Motor vehicles: TL295
- Traction drives
 - Mechanical engineering: TJ1095
- Traction engines: TJ700
- Traction tests
 - Highway engineering: TE450
 - Motor vehicles: TL295
- Tractor driving: TL233.3
- Tractor propellers: TL706.P8
- Tractor pulling (Motorsports): TL233.3
- Tractors: TL233+
- Trade publications
 - Stationery: TS1238
- Trade shows
 - Technology: T391+
- Trademarks: T325
 - Paper manufacture: TS1115
- Traffic
 - Electrical engineering: TK5102.985
- Traffic circles
 - Highway engineering: TE176.5
- Traffic control
 - Airports: TL725.3.T7
- Traffic control devices
 - Highway engineering: TE228
- Traffic operation
 - Railway operation: TF650+
- Trafficability of soils: TE208.5
- Trail bikes: TL441
- Trailers
 - Motor vehicles: TL297+
- Trails
 - Highway engineering: TE304
- Train dispatching
 - Railroad operation: TF563
- Train resistance
 - Railway operation: TF552
- Train rules
 - Railway operation: TF559
- Train running
 - Railway operation: TF556
- Train speed
 - Railway operation: TF553+
- Train telegraph systems: TK5569.T7
- Training
 - Hotels, clubs, restaurants, etc.: TX911.3.T73

INDEX

- Training equipment
 - Astronautics: TL1570+
- Trainload
 - Railway operation: TF555
- Trainmen's manuals
 - Railway operation: TF557+
- Trains
 - Railway operation: TF550+
- Transaxles: TL265
- Transducers
 - Control engineering: TJ223.T75
 - Electronics: TK7872.T6
- Transfer functions
 - Engineering mathematics: TA347.T7
- Transfer machines
 - Machine tools: TJ1185.5
- Transfer pictures industry: TS2301.T9
- Transfer printing
 - Textile decoration: TT852.7
- Transfer tables
 - Railway structures: TF276
- Transfer, Technology: T174.3
- Transfer work, Iron-on
 - Textile decoration: TT852.7
- Transformation of electricity
 - Electrical engineering: TK3107
- Transformers
 - Amateurs' manuals: TK9915
 - Electronics: TK7872.T7
 - Radio: TK6565.T7
 - Television: TK6655.T7
- Transforming machinery
 - Dynamolectric machinery: TK2551
- Transistor amplifiers
 - Electronics: TK7871.2
- Transistor radios: TK6564.T7
- Transistors
 - Semiconductors: TK7871.9+
- Transit and theodolite
 - Surveying instruments: TA575
- Transition metal compounds
 - Metallography: TN693.T7
- Transition spiral
 - Railroad surveying: TF217
- Translating
 - Patents: T210.2
 - Technical information: T11.5
- Translating services
 - Patents: T210.2
- Transmission devices
 - Motor vehicles: TL262+
- Transmission gears
 - Mechanical engineering: TJ204
- Transmission lines
 - Electronics: TK7872.T74
 - Radio: TK6565.T73
- Transmission of electric power
 - Electrical engineering: TK3001+
- Transmit-receive tubes
 - Radar: TK6590.T72
- Transmitter-receiver units
 - Radar: TK6587
- Transmitter-receivers, Radio: TK6564.3+
- Transmitters
 - Radio: TK6561
 - Telephone: TK6475+
- Transmitting
 - Aircraft communication equipment: TL694.T7
- Transmitting apparatus
 - Radar: TK6587
 - Television: TK6651
- Transmutation
 - Radioactive waste disposal: TD898.178
- Transoceanic flights: TL531
- Transonic aerodynamics: TL571
- Transpacific routes
 - Air routes: TL726.15
- Transparencies
 - Photography: TR504+
- Transport centers
 - Transportation engineering: TA1225
- Transport planes: TL685.7
- Transport processes
 - Chemical engineering: TP156.T7
- Transport theory
 - Food processing: TP370.9.T73
- Transportation
 - Energy conservation: TJ163.5.T7
 - Engineering materials: TA403.6
 - Environmental effects: TD195.T7
 - Food: TP373.2
 - Noise control: TD893.6.T7
 - Papermills: TS1116.6
 - Radioactive substances: TK9152.17
- Transportation, Air
 - Environmental effects: TD195.A27
- Transportation engineering: TA1001+
- Transportation industries
 - Fire prevention and extinction: TH9445.T7
- Transportation method
 - Linear programming: T57.78
- Transportation systems, Urban: TA1205+
- Transputers
 - Computer engineering: TK7895.T73
- Transvestites
 - Photographic portraits: TR681.T7
- Traps
 - Petroleum geology: TN870.57
 - Plumbing: TH6631+
- Trapunto
 - Quilting and patchwork: TT836.T73
- Trashracks
 - Dams: TC554

INDEX

- Travel cinematography: TR896.5
- Travel photography: TR790
- Traveling-wave tubes
 - Electronics: TK7871.77
- Travelling cranes
 - Hoisting machinery: TJ1365
- Traverses
 - Surveying: TA585
- Travertine
 - Masonry materials: TA428.T73
- Trays
 - Wood products: TS913
- Treadmills
 - Renewable energy sources: TJ830
- Treatment facilities, Ballast water
 - Water pollution: TD428.B34
- Tree houses
 - Construction: TH4885
- Tree planting
 - Coast protective works: TC340
 - River protective works: TC537
- Trees
 - Nature photography: TR726.T7
- Trestle bridges: TG365+
- Triangular wings
 - Airplanes: TL673.T7
- Triangulation for engineering works: TA583
- Triangulation, Photographic: TA593.8+
- Tributyltin
 - Water pollutants: TD427.T73
- Trichloroethylene
 - Air pollutants: TD887.T75
 - Chemical technology: TP248.T7
 - Water pollutants: TD427.T75
- Trick cinematography: TR858
- Trick photography: TR148
- Tricolor photography: TR520
- Tricycles: TL410+
- Trigger
 - Electronic circuits: TK7868.T7
- Trigonometric leveling
 - Surveying: TA609
- Trihalomethanes
 - Water pollutants: TD427.T77
- Trimming
 - Women's tailoring: TT552
- Trimming of prints
 - Photographic processing: TR340
- Trimmings
 - Silk manufactures: TS1687
 - Window and door openings: TH2261+
- Trinitrotoluene
 - Explosives: TP290.T8
- Triplanes: TL684.5
- Triple expansion
 - Steam engines: TJ501+
- Tripoli
 - Mining engineering: TN948.T74
- Tripolitanian style cooking: TX724.2.T75
- Triticale
 - Food values: TX558.T7
- Tritium
 - Environmental pollutants: TD196.T74
- Triumph motorcycle: TL448.T7
- Trochotrons: TK7871.79.T7
- Troilite
 - Ore dressing and milling: TN538.T74
- Trolley (overhead wiring)
 - Electric railways: TF885
- Trona
 - Mining engineering: TN948.T76
- Tropical conditions
 - Building construction: TH154
- Tropical photography: TR795
- Tropical woods
 - Woodpulp industry: TS1176.4.T7
- Tropospheric scatter communication systems: TK6570.T76
- Trousers
 - Men's tailoring: TT605
 - Women's tailoring: TT542
- Trout
 - Cooking: TX748.T74
- TRS-80 computer: TK7889.T77
- Truck driver training: TL230.3
- Truck driving: TL230.3
- Truck-mounted campers: TL298
- Truck-mounted coaches: TL298
- Truck trailers
 - Motor vehicles: TL297.6
- Trucking
 - Water pollution: TD428.T78
- Trucks: TL230+
 - Human engineering in design: TL250
- Truffles
 - Cooking: TX804.5
- Trunked radio
 - Wireless communication systems: TK5103.488
- Truss bridges: TG375+
- Trusses
 - Cement manufacture: TP885.T7
 - Reinforced concrete construction: TA683.5.T7
 - Structural engineering: TA660.T8
- Try cocks
 - Steam boilers: TJ363
- Tube vehicle system
 - High speed ground transportation: TF1620
- Tubes
 - Aeronautics: TL699.T8
 - Manufactures: TS1920
 - Metal manufactures: TS280+
- Tubes, Metal
 - Engineering and construction: TA492.T8

INDEX

- Tubs
 - Plumbing: TH6493
- Tubular bag systems
 - Fire prevention and extinction: TH9416
- Tubular bridges: TG390
- Tubular radiators
 - Hydronic systems: TH7488
- Tul'skii motor scooters: TL453.T84
- Tumblr
 - Web authoring software: TK5105.8885.T85
- Tuna
 - Cooking: TX748.T84
- Tunable lasers
 - Applied optics: TA1706
- Tuned amplifiers: TK7871.58.T8
- Tuners
 - Television: TK6655.T8
- Tung oil
 - Chemical technology: TP684.T8
- Tungsten
 - Chemical technology: TP245.T9
 - Electronics: TK7871.15.T85
 - Electroplating: TS692.T8
 - Engineering and construction: TA480.T9
 - Metallography: TN693.T94
 - Metallurgy: TN799.T9
 - Prospecting: TN271.T8
- Tungsten alloys
 - Engineering materials: TA479.T8
- Tungsten lamps
 - Electric lighting: TK4359.T9
- Tungsten ores: TN490.T9
- Tungsten steel
 - Metallurgy: TN757.T9
- Tunnel diodes
 - Semiconductors: TK7871.87
- Tunnel kilns: TP842.T8
- Tunneling
 - Engineering: TA800+
 - Mining: TN285
 - Noise control: TD893.6.T86
- Tunnels
 - Engineering: TA800+
 - Fire prevention and extinction: TH9445.T8
 - Railway construction: TF230+
- Turbine-propeller engines
 - Aeronautics: TL709.3.T8
- Turbines: TJ266+
 - Jet engines: TL709.5.T87
 - Water wheels: TJ870+
- Turbo codes (Telecommunication)
 - Coding theory: TK5102.96
- Turbochargers
 - Gasoline automobiles: TL214.T87
- Turbofan engines
 - Aeronautics: TL709.3.T82
- Turbojet engines
 - Aeronautics: TL709.3.T83
- Turbomachines: TJ266+
 - Electric driving: TK4059.T87
- Turbulence
 - Aerodynamics: TL574.T8
 - Applied fluid mechanics: TA357.5.T87
- Turkeys
 - Cooking: TX750.5.T87
- Turkish Jewish style cooking: TX724.2.T87
- Turmeric
 - Condiments, spices, etc.: TX407.T87
- Turn and bank indicator
 - Aeronautical instruments: TL589.2.T8
- Turning
 - Handicrafts: TT201+
- Turning machines
 - Machine shops: TJ1215+
- Turnips
 - Cooking: TX803.T87
- Turnouts
 - Railroad surveying: TF216
 - Railway construction: TF264
- Turntables
 - Railway structures: TF275
- Turpentine
 - Organic chemical industries: TP977+
- Turquoise
 - Jewelry work: TS755.T8
 - Mining engineering: TN997.T87
- Turtles
 - Nutrition: TX388.T8
- Tuscan style cooking: TX723.2.T86
- TV (Microsoft)
 - Web authoring software: TK5105.8885.M545
- TVS
 - High speed ground transportation: TF1620
- Tweezers, Optical
 - Electronics: TK8360.O69
- Twin-engine flying
 - Airplanes: TL711.T85
- Twine
 - Textile fiber: TS1795
- Twins
 - Photographic portraits: TR681.T85
- Twisted gears
 - Mechanical movements: TJ192
- Twisted plates
 - Structural engineering: TA660.P65
- Twisting and twisting machinery
 - Textile industries: TS1487.5
- Two-phase current systems
 - Electrical engineering: TK3153
- Two-phase currents
 - Electrical engineering: TK1151
- Two-phase flow
 - Applied fluid mechanics: TA357.5.M84

INDEX

Two-pipe systems
 House drainage: TH6604
 Low-pressure hot water heating: TH7525
 Steam heating: TH7567
 Two-stroke cycle engines
 Gasoline automobiles: TL210.5
 Two-stroke engines
 Internal combustion engines: TJ790
 Two-way radio: TK6553
 Typewriter art
 Decorative crafts: TT869
 Tysonite
 Mining engineering: TN948.T9

U

U.S. Army Round-the-rim flight: TL721.U58
 U.S. Army world flight: TL721.U6
 U.S. National Aeronautics and Space Administration:
 TL521.3+
 Ultra large scale integrated circuits: TK7874.76
 Ultra-wideband antennas: TK7871.67.U45
 Ultra-wideband communication systems: TK5103.4515
 Ultra-wideband radar: TK6592.U48
 Ultrafax
 Facsimile transmission: TK6720
 Ultrahigh frequency apparatus
 Television: TK6655.U6
 Ultralight aircraft: TL685.15
 Ultrasonic machining
 Machine tools: TJ1191
 Ultrasonic testing
 Testing of materials: TA417.4
 Ultrasonic transducers: TK5982
 Ultrasonic welding: TS228.92
 Ultrasonics
 Chemical engineering: TP156.A33
 Ultrasound
 Food preservation: TP372.4
 Ultraviolet ray treatment
 Sewage disposal: TD747.5
 Water purification: TD460
 Ultraviolet technology
 Applied optics: TA1600
 Umbrellas
 Textile industries: TS1865
 Unauthorized users of water: TD497
 Underbalanced drilling
 Petroleum engineering: TN871.33
 Undercarriage
 Airplanes: TL682+
 Underground conduits
 Electric railways: TF895
 Underground construction: TA712
 Underground factories
 Building construction: TH4518
 Underground flow
 Hydrodynamics: TC176
 Underground gasification of coal: TP759
 Underground lines
 Electric power: TK3251+
 Telegraph: TK5465+
 Underground railways
 Engineering: TF845+
 Underground roads
 Mines: TN333
 Underground shopping centers
 Fire prevention and extinction: TH9445.U5
 Underground storage
 Gas industry: TP756.5
 Underground telephone lines: TK6365
 Underground utility lines
 City planning: TD168
 Undershirts
 Clothing manufacture: TT675
 Undershot water wheels: TJ864
 Undertakers' supplies industry: TS2301.U5
 Underwater acoustic telemetry: TK5103.52
 Underwater cinematography: TR893.8
 Underwater construction
 Cement and concrete construction: TA682.485
 Underwater mining: TN291.5
 Underwater photography: TR800
 Underwater pipelines
 Ocean engineering: TC1800
 Underwater television: TK6679.5
 Underwear
 Clothing manufacture: TT669+
 Unfermented apple juice: TP564
 Unfermented grape juice
 Beverages: TP560
 Unidentified flying objects: TL789+
 Uniforms
 Fire prevention and extinction: TH9395+
 Men's clothing: TT625
 UNISURF CAD
 Computer-aided engineering: TA345.5.U53
 Unit trains: TF583
 Univac computer: TK7889.U6
 Universal joints
 Machinery: TJ1059
 Universal Mobile Telecommunications System
 Wireless communication systems: TK5103.4883
 Universities
 Energy conservation: TJ163.5.U5
 Plumbing: TH6515.S4
 University buildings
 Heating and ventilation: TH7392.S35
 Unloading and loading
 Materials handling: TS180.5
 Unpaved roads
 Highway engineering: TE230+

INDEX

- Unsaturated fatty acids
 - Food constituent: TX553.U5
- Unsteady flow
 - Aerodynamics: TL574.U5
 - Applied fluid mechanics: TA357.5.U57
- Upgrading
 - Computer engineering: TK7887
- Upholstering
 - Handicrafts: TT198
- Upholstery
 - Fire testing: TH9446.5.U63
 - Motor vehicles: TL256
- Upholstery leather: TS980.U6
- Uppers
 - Leather: TS980.U7
- Ural computer
 - Computer engineering: TK7889.U7
- Uranium
 - Chemical technology: TP245.U7
 - Engineering materials: TA480.U7
 - Metallography: TN693.U7
 - Metallurgy: TN799.U7
 - Ore deposits and mining: TN490.U7
 - Ore dressing and milling: TN538.U7
 - Prospecting: TN271.U7
- Uranium as fuel: TK9363
- Uranium industry
 - Environmental effects: TD195.U7
 - Waste control: TD899.U73
- Uranium mines and mining
 - Water pollution: TD428.U73
- Uranium steel
 - Metallurgy: TN757.U7
- Urban runoff
 - Sewage collection and disposal systems: TD657+
- Urban transportation systems: TA1205+
- Urea
 - Chemical technology: TP248.U7
 - Environmental pollutants: TD196.U73
 - Fertilizers: TP963.4.U7
- Urea-formaldehyde resins
 - Plastics: TP1180.U7
- Urethanes
 - Effect on food: TX571.P63
- Urinals
 - Plumbing: TH6499
- Usenet
 - Computer networks: TK5105.875.U83
- User's plant
 - Electric power: TK3201+
- Utensils
 - Cooking: TX656+
- Utility lines, Underground
 - City planning: TD168
- V
 - Vacation cinematography: TR896.5
 - Vaccines
 - Biotechnology: TP248.65.V32
 - Vacoa weaving
 - Decorative crafts: TT877.5
 - Vacuum lifters
 - Hoisting machinery: TJ1360
 - Vacuum metallurgy
 - Electrometallurgy: TN686.5.V3
 - Vacuum microelectronics: TK7874.9
 - Vacuum processes
 - Cement and concrete construction: TA682.47
 - Vacuum pumps: TJ940.5
 - Vacuum system
 - Dust removal: TH7695.V2
 - Vacuum technology
 - Chemical engineering: TP156.V3
 - Mechanical engineering: TJ940+
 - Vacuum-tube amplifiers
 - Electronics: TK7871.2
 - Vacuum tubes
 - Chemical technology: TP159.V3
 - Electronics: TK7871.72+
 - Radio: TK6565.V3
 - Valentine's Day
 - Cooking: TX739.2.V34
 - Valentine's Day decorations
 - Decorative crafts: TT900.V34
 - Valuation
 - Engineering economy: TA178
 - Hotels, clubs, restaurants, etc.: TX911.3.V34
 - Value-added networks
 - Electrical engineering: TK5105.84
 - Value analysis
 - Cost control: TS168
 - Value engineering
 - Cost control: TS168
 - Valve gears
 - Locomotives: TJ665
 - Steam engines: TJ547+
 - Valves
 - Aircraft engines: TL702.V3
 - Balloons: TL625.V3
 - Chemical technology: TP159.V34
 - Control engineering: TJ223.V3
 - Gasoline automobiles: TL214.V3
 - Hot water heating: TH7543
 - Hydronic systems: TH7478
 - Locomotives: TJ665
 - Metal manufactures: TS277
 - Plumbing explosion prevention: TH6566
 - Steam heating: TH7593
 - Water distribution systems: TD491
 - Water supply plumbing: TH6528

INDEX

- Vanadium
 - Chemical technology: TP245.V2
 - Environmental pollutants: TD196.V35
 - Metallography: TN693.V3
 - Metallurgy: TN799.V3
 - Ore deposits and mining: TN490.V2
 - Water pollutants: TD427.V36
- Vanadium steel
 - Engineering materials: TA479.V3
 - Metallurgy: TN757.V3
- Vanaspati
 - Chemical technology: TP684.V36
- Vanes
 - Building construction: TH2495
- Vanguard: TL796.5.U6V3
- Vanilla
 - Cooking: TX819.V35
- Vanners
 - Ore dressing and milling: TN520+
- Vans: TL230+
- Vapor lamps and systems
 - Electric lighting: TK4381
- Vapor-plating
 - Metal finishing: TS695+
- Varactors
 - Semiconductors: TK7871.88
- Variable air volume systems
 - Air conditioning: TH7687.95
- Variable speed generators: TK2448
- Variety meats
 - Cooking: TX749.5.V37
- Varistors
 - Electronics: TK7871.99.V3
- Varnish
 - Insulating material: TK3441.V3
- Varnishes
 - Chemical technology: TP938
- Varnishing
 - Handicrafts: TT300+
 - Wood finishing: TT340
- Vases
 - Decorative crafts: TT899.6
- Vat dyes
 - Textile dyes: TP918.V37
- Vaults
 - Building design and construction: TH2160
 - Security in buildings: TH9734
- Vector analysis
 - Engineering mathematics: TA347.V4
- Vegetable fats
 - Chemical technology: TP680+
- Vegetable-fiber work
 - Decorative crafts: TT873+
- Vegetable fibers
 - Textile industries: TS1541+
- Vegetable foods
 - Nutrition: TX391+
- Vegetable juices
 - Food values: TX558.V4
- Vegetable oils
 - Chemical technology: TP680+
 - Fuel: TP359.V44
- Vegetable products
 - Food processing: TP443+
- Vegetables
 - Cooking: TX801+
 - Food processing: TP443+
 - Food values: TX557+
 - Nutrition: TX401+
 - Preservation and storage: TX612.V4
- Vegetarian cooking: TX837+
- Vegetarianism
 - Nutrition: TX392+
- Vegetation
 - Roadside development: TE178
- Vehicles
 - Aerodynamics: TA359
 - Fire prevention and extinction: TH9370+
 - Handicrafts: TT174.5.V43
 - Vibration: TA356
- Vehicular ad hoc networks: TE228.37
- Vehicular tunnels
 - Engineering: TA800+
- Velocipedes: TL405
- Velomobiles: TL437.5.V45
- Velvets
 - Silk manufactures: TS1675
- Vending machines
 - Mechanical engineering: TJ1560
- Veneering
 - Manufactures: TS870
- Veneers
 - Wall details: TH2251.5
 - Wood products: TS870
- Venison
 - Food values: TX556.V4
- Vent piping
 - House drainage: TH6668
- Vent stack
 - House drainage: TH6666
- Vent stack systems
 - House drainage: TH6665+
- Ventilating machines
 - Mining engineering: TN303
- Ventilation
 - Buildings: TH7646.92+
 - Prisons: TH7392.P8
 - Railway equipment: TF445+
 - Railway tunnels: TF235
 - Sewers: TD692
 - Transportation engineering: TA1280
 - Tunneling: TA814
- Ventilation of mines: TN301+

INDEX

- Ventilation radiators
 - Hydronic systems: TH7490
- Ventilators
 - Artificial ventilation of buildings: TH7678+
 - Building design and construction: TH2486+
 - Ventilation of buildings: TH7683.V4
- Venting for appliances
 - Gas in buildings: TH6835
- Ventriloquists' dummies
 - Photography: TR658.58
- Vents
 - Plumbing: TH6631+
- Venturi scrubber
 - Dust removal: TH7695.V45
- Venus (Planet)
 - Flight to: TL799.V45
- Veranda roofs
 - Building construction: TH2425
- Verjuice
 - Flavoring aid: TP428
- Vermiculite
 - Engineering materials: TA455.V4
 - Mining engineering: TN948.V4
- Vernacular photography: TR689
- Vertical drains: TC974.2
- Vertical evacuation structures
 - Building construction: TH1096.5
- Vertical multitubular steam boilers
 - Mechanical engineering: TJ312
- Vertical seismic profiling: TN269.86
- Vertical stabilizer
 - Airplanes: TL677.F5
- Vertically rising aircraft
 - Aeronautical engineering: TL685
- Very high speed integrated circuits
 - Electronics: TK7874.7
- Very large scale integrated circuits
 - Electronics: TK7874.75
- Vespa motor scooters: TL453.V47
- Vests
 - Men's tailoring: TT615
- Veterans
 - Nutrition: TX361.V47
- Veterinary drug residues
 - Effect on food: TX571.V48
- Vibration
 - Aerodynamics: TL574.V5
 - Aircraft propellers: TL706.V4
 - Bridge engineering: TG265
 - Engineering: TA355
 - Machinery: TJ177
 - Motor vehicle dynamics: TL246
 - Vehicles: TA356
- Vibration control
 - Electroacoustics: TK5981.5
- Vibration methods
 - Reinforced concrete construction: TA683.46
- Vibration processes
 - Cement and concrete construction: TA682.46
- Vibrations
 - Structural analysis: TA654+
- Vibrators
 - Chemical technology: TP159.V52
 - Mechanical engineering: TJ208
- Vibroseis
 - Seismic prospecting: TN269.88
- Vici kid
 - Leather: TS980.V6
- Victorium
 - Chemical technology: TP245.V5
- Vicuna
 - Textile fiber: TS1548.V5
- Video amplifiers: TK7871.58.V5
- Video disc equipment
 - Electronics: TK6685
- Video discs
 - Electronics: TK6685
- Video game equipment
 - Electronics: TK6681
- Video games
 - Amateurs' manuals: TK9971
- Video recorders, Digital
 - Television: TK6655.D54
- Video recording
 - Amateurs' manuals: TK9961
- Video recording, Lighting for
 - Cinematography: TR891
- Video recordings
 - Photography: TR845+
- Video surveillance
 - Television: TK6680.3
- Video tape recorders
 - Amateurs' manuals: TK9961
 - Television: TK6655.V5
- Video telephones: TK6505
- View cameras
 - Photography: TR258
- Vigorit
 - Explosives: TP290.V5
- Viking Mars Program: TL789.8.U6V64
- Vinegar
 - Cooking: TX819.V5
 - Flavoring aid: TP429+
- Vinegar, Wood
 - Chemical technology: TP248.A18
- VINES: TK5105.8.V56
- Vinidur
 - Plastics: TP1180.V42
- Vinyl
 - Plastics: TP1180.V48
 - Textile fiber: TS1548.7.V5
- Vinyl chloride
 - Air pollutants: TD887.V55
- Vinyl flooring: TH2529.P5

INDEX

Viper automobile: TL215.V544
Viruses
 Water pollutants: TD427.V55
Viscoelasticity
 Plastic properties and tests: TA418.2
Viscous flow
 Applied fluid mechanics: TA357.5.V56
 Plastic properties and tests: TA418.2
 Temperature effects: TA418.24+
Vises
 Handtools: TJ1201.V5
Visibility
 Aeronautical meteorology: TL557.V5
Visitors, Foreign
 Photographic portraits: TR681.V58
Visual InterDev (Microsoft)
 Web authoring software: TK5105.8885.M55
Vitamins
 Biotechnology: TP248.65.V57
 Food constituent: TX553.V5
 Food constituents: TP453.V5
Vitrification
 Ceramic technology: TP815
 Radioactive waste disposal: TD898.179
Vocational guidance
 Beauty culture: TT958.23
 Carpentry and joinery: TH5608.8
 Cooking: TX652.4
 Hairdressing: TT958
 Hospitality industry: TX911.3.V62
 Pollution control personnel: TD177.8
 Textile industries: TS1463
 Watch and clock manufactures: TS545.9
 Welding: TS227.7
Vodka
 Distilled liquors: TP607.V6
Voice of the air
 Airplane advertising: TL722.5
Volatile organic compounds
 Air pollutants: TD887.V65
Volcanic ash, tuff, etc.
 Aeronautical meteorology: TL557.V64
 Water pollutants: TD427.V64
Volkswagen automobile: TL215.V6
Voltage detectors
 Electrical engineering: TK321
Voltage dividers
 Electronics: TK7872.V53
Voltage-frequency converters
 Electronics: TK7872.V54
Voltage meters and measurements
 Electrical engineering: TK321
Voltage regulators
 Electronics: TK7872.V55
 Radar: TK6590.V6
 Radio: TK6565.V6

Voltage waveforms
 Electrical engineering: TK531
Voltameters
 Electrical engineering: TK331
Voltsmeters
 Electrical engineering: TK321
 Electronics: TK7879+
Voltsmeters, Vacuum tube
 Electronics: TK7879.2
Voltohmeters: TK325
Vortex theory
 Aerodynamics: TL574.V6
Vortex tubes: TJ264.5
VSATs
 Artificial satellites: TK5104.2.V74
VueScan: TR267.5.V84
Vulcanizing
 Rubber industry: TS1891

W

Waffles
 Cooking: TX770.P34
Wagonmaking
 Manufactures: TS2001+
Wainscots
 Building construction: TH2547
Waiters, Manuals for
 Hotels, clubs, restaurants, etc.: TX925
Waiting line problems
 Industrial engineering: T57.9
Waitresses, Manuals for
 Hotels, clubs, restaurants, etc.: TX925
Wakes
 Aerodynamics: TL574.W3
Walkie-talkies
 Radio: TK6565.W25
Wall coils
 Radiators: TH7484
Wall decoration
 Building construction: TH8403+
Wall hangings
 Textile arts: TT850.2
Wall plugs
 Electric lighting: TK4361+
Wallboard
 Engineering materials: TA455.W3
Wallpaper
 Wall decoration: TH8423+
Walls
 Building construction: TH2201+
 Building details: TH2251+
 Reinforced concrete construction: TA683.5.W34
 Structural engineering: TA660.W3
Walls above surface
 Building design and construction: TH2231+

INDEX

- Walnuts
 - Cooking: TX814.2.W3
- Wankel engines
 - Gasoline automobiles: TL210.7
 - Internal combustion engines: TJ792
- War
 - Environmental effects: TD195.W29
- War damage
 - Airports: TL725.3.D35
- War photography: TR820.6
- War use of airships: TL664.2
- Warehouses
 - Air conditioning: TH7688.W3
 - Building construction: TH4451
 - Fire prevention and extinction: TH9445.W2
 - Plant service facilities: TS189.6
- Warm-air and steam heating systems: TH7635
- Warm-air heating
 - Building construction: TH7601+
- Warm-air heating by convection: TH7633
- Warp knitting
 - Clothing manufacture: TT689
- Washin
 - Airplanes: TL673.W3
- Washing
 - Photographic negatives: TR305
 - Woodpulp industry: TS1176.6.W36
- Washing of coal: TN816.A1+
- Washington system
 - Incandescent gas lighting: TH7955.W3
- Washout
 - Airplanes: TL673.W3
- Washtubs
 - Laundry plumbing: TH6505
- Waste control
 - Production management: TS169
- Waste disposal sites
 - Environmental effects: TD195.W295
- Waste glass
 - Glassmaking: TP859.7
- Waste heat boilers: TJ319
- Waste heat utilization
 - Blast furnaces: TN718
 - Municipal refuse: TD796.2
- Waste minimization
 - Hazardous substances and their disposal: TD1050.W36
 - Industrial and factory wastes: TD897.847
 - Municipal refuse: TD793.9+
- Waste paint
 - Waste disposal: TD800.5
- Waste piping
 - House drainage: TH6658+
- Waste, Plastic
 - Waste disposal: TD798
- Waste prevention
 - Paper manufacture: TS1109
- Waste stack systems
 - House drainage: TH6655+
- Waste tires
 - Waste disposal: TD797.7
- Waste treatment facilities: TD897.6
- Waste treatment facilities, Radioactive: TD898.16
- Waste utilization
 - Chemical technology: TP995+
- Wastes, Hazardous
 - Soil pollutants: TD879.H38
- Wastes, Radioactive
 - Waste disposal: TD812+
- Wastes, Recovery of
 - Precious metals: TS729
- Wasteways
 - Dams: TC555
 - Hydraulic powerplants: TJ851
- Watches
 - Manufactures: TS540+
- Watchmakers' lathes: TS546
- Water
 - Artistic photography: TR670+
 - Brewing and malting: TP583
 - Chemical industry: TP262+
 - Food constituent: TX553.W3
- Water analysis
 - Geophysical surveying: TN269.885
- Water at rest: TC165+
- Water backs
 - Range water heaters: TH6555
- Water, Ballast
 - Water pollution: TD428.B34
- Water channels
 - Aeronautical research: TL567.B4
- Water chemistry
 - Petroleum geology: TN870.515
- Water closets
 - Plumbing: TH6498
- Water columns
 - Railway structures: TF290
- Water conservation: TD388+
- Water conversion, Saline: TD478+
- Water-cooled reactors
 - Nuclear engineering: TK9203.W37
- Water distribution systems
 - Environmental technology: TD480.92+
- Water gages
 - Steam boilers: TJ360+
- Water gas
 - Gas industry: TP760
- Water glass
 - Glassmaking: TP869
- Water glasses
 - Steam boilers: TJ366
- Water hammer
 - Hydrodynamics: TC174

INDEX

- Water heaters
 - Building construction: TH6551+
- Water heating coils
 - Range water heaters: TH6556
- Water hyacinth craft
 - Decorative crafts: TT877.8
- Water in motion
 - Hydraulic engineering: TC171+
- Water jet peening
 - Manufactures: TS207.3.P44
- Water mains
 - Breaks in: TD495+
 - Water distribution systems: TD491
- Water meters and metering: TD499+
- Water mills: TJ859
- Water pipes
 - Water distribution systems: TD491
- Water pollution: TD419+
- Water-pressure engines: TJ890
- Water purification
 - Environmental technology: TD429.5+
- Water quality: TD370+
- Water quality management
 - Environmental technology: TD365+
- Water quality monitoring: TD367+
- Water rates: TD360
- Water resistance: TC766
- Water resources of a watershed: TC401+
- Water reuse
 - Environmental technology: TD429
- Water softeners
 - Steam boilers: TJ379
- Water softening
 - Chemical technology: TP263
 - Water purification: TD466
- Water-soluble polymers
 - Plastics: TP1180.W37
- Water-soluble preservatives
 - Preservation of wood: TA424.6.W3
- Water supply
 - Communication of information: TD209+
 - Fire prevention and extinction: TH9311+
 - Low temperature sanitary engineering: TD947
 - Papermills: TS1116.2
 - Plumbing in buildings: TH6521+
 - Rural and farm sanitary engineering: TD927
 - Space environment: TL1565
 - Steam boilers: TJ377
- Water supply, Domestic: TD201+
- Water-supply engineering: TC401+
 - Environmental effects: TD195.W3
- Water-supply fixture catalogs: TH6529
- Water supply, Industrial: TD201+
- Water supply utilities' safety measures: TD358
- Water tower systems
 - Fire prevention and extinction: TH9332+
- Water towers
 - Water distribution systems: TD489
- Water treatment and conditioning
 - Environmental technology: TD429.5+
- Water treatment facilities, Ballast
 - Water pollution: TD428.B34
- Water treatment plants
 - Building construction: TH4538
 - Environmental technology: TD434
 - Noise control: TD893.6.W37
 - Waste control: TD899.W3
- Water tube boilers
 - Mechanical engineering: TJ314+
- Water tunnels
 - Hydrodynamics: TC171.5
- Water waste prevention: TD495+
- Water wave loads
 - Structural analysis: TA654.55
- Water waves
 - Hydrodynamics: TC172
- Water (Web authoring software): TK5105.8885.W36
- Water wheels: TJ860+
- Water withdrawals
 - Water distribution systems: TD493
- Waterfront structures
 - Fire prevention and extinction: TH9445.P5
- Watermarking, Digital
 - Optical data processing: TA1636
- Watermarks
 - Paper manufacture: TS1115
- Waterpower engineering: TC147
- Waterpower power plants: TK1421+
- Waterproof construction
 - Engineering: TA901
- Waterproofing
 - Protection of buildings: TH9031
 - Textile industries: TS1520
- Watershed management
 - Hydraulic engineering: TC413
- Waterways
 - Inland navigation: TC601+
- Waterworks
 - Energy conservation: TJ163.5.W36
 - Water distribution systems: TD485+
- Waterworks' safety measures: TD358
- Watt-hour meters: TK351
- Wattmeters: TK341
- Wave guides, Optical: TK8305+
- Waveguides
 - Electronics: TK7871.6+
 - Radar: TK6590.W3
 - Radio: TK6565.W3
- Wavelength division multiplexing
 - Telecommunication: TK5103.592.W38
- Wax crafts
 - Decorative crafts: TT866
- Wax figures industry: TS2301.W3

INDEX

- Wax flowers
 - Decorative crafts: TT894
- Waxes
 - Chemical technology: TP669+
- Wear-testing machines: TA413.85
- Wearable camera photography: TR689
- Weathering
 - Protection of buildings from: TH9039
- Weathering of coal: TN817
- Weaving
 - Cotton manufactures: TS1579
 - Woolen manufactures: TS1629
- Weaving, Hand
 - Textile arts: TT848+
- Weaving, Industrial
 - Manufactures: TS1490+
- Web 2.0: TK5105.88817
- Web authoring software
 - Internet: TK5105.8883+
- Web component
 - Web authoring software: TK5105.8885.W42
- Web server software
 - Internet: TK5105.8883+
- Web services: TK5105.88813
- Web site design: TK5105.888+
- Web site development: TK5105.888+, TK5105.8882
- Webcasting
 - Internet: TK5105.887
- Webcompass: TK5105.885.W42
- WebDAV
 - Computer network protocols: TK5105.5863
- WebGL (Computer graphics): T386.W43
- Weblog software: TK5105.8884
- WebSphere
 - Web authoring software: TK5105.8885.W43
- WebTV (Trademark): TK5105.8887
- Wedding photography: TR819
- Wedges
 - Handtools: TJ1201.W44
- Weed-burners
 - Railway operation: TF546
- Weighing and measuring
 - Chemical engineering: TP156.W4
- Weighing systems
 - Electronics: TK7882.W44
- Weightlessness simulators: TL1575
- Weirs
 - Dams: TC555
 - Hydrodynamics: TC175+
- Welded joints, Metal
 - Engineering materials: TA492.W4
- Welding
 - Airplanes: TL671.5
 - Handicrafts: TT211
 - Metalworking: TS227+
 - Petroleum pipelines: TN879.6
 - Plastics: TP1160
- Welding
 - Rocket manufacture: TL784.5.W4
- Welding shops
 - Dust removal: TH7697.W4
- Well boring
 - Water supply: TD412
- Well digging
 - Water supply: TD412
- Well drilling
 - Petroleum engineering: TN871.2+
- Well logging
 - Petroleum engineering: TN871.35
- Well testing
 - Petroleum engineering: TN871
- Wellpoint system
 - Drainage: TC974
- Wells
 - Pollution: TD426.8
 - Steam boilers: TJ378
 - Steam engines: TJ565
 - Water supply: TD405+
- Welsbach system
 - Incandescent gas lighting: TH7955.W4
- Western style cooking: TX715.2.W47
- Westinghouse airbrakes: TF425
- Wet cleaning
 - Commercial garment cleaning: TP932.5
- Wetting
 - Chemical engineering: TP156.W45
- Whale meat
 - Cooking: TX748.W48
- Whales
 - Nutrition: TX388.W4
- Whaling
 - Use of airplanes: TL722.2
- Wharves
 - Harbor engineering: TC357
- Wheat
 - Cooking: TX809.W45
 - Food values: TX558.W5
- Wheat germ
 - Cooking: TX809.W453
- Wheat products
 - Food processing and manufacture: TP435.W48
- Wheatstone's bridge
 - Electric meters: TK311
- Wheel
 - Mechanical engineering: TJ181.5
- Wheels
 - Airplanes: TL683.W5
 - Cycles: TL422
 - Electric railways: TF949.W5
 - Locomotives: TJ669.W54
 - Motor vehicles: TL270
 - Railroad cars: TF383
- Whirlwind computer: TK7889.W47

INDEX

- Whiskey
 - Chemical technology: TP605
- White chocolate
 - Cooking: TX767.W48
- White sauce
 - Cooking: TX819.W5
- White trucks: TL230.5.W45
- White work embroidery: TT778.W55
- Whitewashing
 - Building decoration: TH8181
- Whiting
 - Mining engineering: TN948.C5
- Whittling
 - Woodworking: TT199.7+
- WHOIS
 - Computer network protocols: TK5105.5864
- Whole wheat bread: TX770.W56
- Wicker furniture
 - Woodworking: TT197.7
- Wide-angle lenses
 - Photography: TR271.W53
- Wide-angle photography: TR687
- Wide area networks
 - Electrical engineering: TK5105.87+
- Wide-screen processes
 - Cinematography: TR855
- Wideband radar, Ultra-: TK6592.U48
- Wigs
 - Hairwork: TT975
- Wikis
 - Internet: TK5105.8882
- Wild rice
 - Cooking: TX809.W55
- Wildlife
 - Nature photography: TR729.W54
- Wildlife cinematography: TR893.5
- Willowware
 - Manufactures: TS910
- Winches
 - Hoisting machinery: TJ1362
- Winchester rifle: TS536.6.W55
- Wind loads
 - Structural analysis: TA654.5
- Wind power: TJ820+
- Wind power industry
 - Environmental effects: TD195.W54
- Wind pressure
 - Architectural engineering: TH891
 - Bridge design: TG303
- Wind pumps
 - Hydraulic machinery: TJ926
- Wind resistant design
 - Structural engineering: TA658.48
- Wind tunnel models
 - Aeronautical research: TL567.M6
- Wind tunnels
 - Aeronautical research: TL567.W5
- Wind turbines: TJ828
- Windchimes
 - Decorative crafts: TT899.7
- Winding
 - Generators: TK2474+
- Winding machines: TJ1535
 - Electric driving: TK4059.W56
- Windmills: TJ823+
- Window fittings
 - Building design and construction: TH2270+
- Window guards
 - Building design and construction: TH2273
 - Burlgar-proof construction: TH9725.W5
- Window openings
 - Building design and construction: TH2264
 - Fittings: TH2261+
- Window shade industry
 - Manufactures: TS2301.W5
- Windows
 - Building design and construction: TH2275
 - Motor vehicles: TL256.5
- Winds
 - Aeronautical meteorology: TL557.A5
- Windshields
 - Airplanes: TL681.W5
 - Motor vehicles: TL256.5
- Wine: TP544+
 - Cooking: TX726
- Wine clarification: TP548.5.C53
- Wine lists
 - Hotels, clubs, restaurants, etc.: TX911.3.M45
- Wine service
 - Hotels, clubs, restaurants, etc.: TX925
- Winemaking: TP544+
- Wineries
 - Sanitary engineering: TH6057.W55
- Wing load
 - Aerodynamics: TL574.P7
- Wing skids
 - Airplanes: TL683.S5
- Wing-warping
 - Airplanes: TL678.8
- Winged flight: TL717
- Wire
 - Aeronautics: TL699.W5
 - Engineering and construction: TA492.W7
- Wire broadcasting
 - Radio: TK6562.W5
- Wire craft
 - Metalworking: TT214.3
- Wire glass windows
 - Fire-resistive building construction: TH1069
- Wire-grass industry
 - Wood technology: TS915
- Wire netting
 - Engineering and construction: TA492.W77

INDEX

- Wire rope
 - Engineering materials: TA492.W8
 - Textile fiber: TS1787
 - Wire rope transportation
 - Conveying machinery: TJ1385+
 - Wire screens
 - Metal manufactures: TS273
 - Wireless application protocol
 - Computer network protocols: TK5105.5865
 - Wireless communication systems
 - Electrical engineering: TK5103.2+
 - Wireless Internet: TK5103.4885
 - Wireless LANs: TK5105.78
 - Wireless localization
 - Wireless communication systems: TK5103.4895
 - Wireless power transmission
 - Electric power distribution system: TK3088
 - Wireless telegraph
 - Amateurs' manuals: TK9946
 - Electrical engineering: TK5700+
 - Wireless telephone
 - Amateurs' manuals: TK9956+
 - Wiremaking
 - Metal manufactures: TS270+
 - Wiremen's manuals
 - Telegraph: TK5445
 - Wires
 - Airplanes: TL674
 - Electric power: TK3301+
 - Standards and testing: TK3307
 - Tables of properties and dimensions: TK3305
 - Telegraph: TK5481
 - Wiretapping
 - Telephone wires: TK6383
 - Wiring
 - Aircraft: TL691.W5
 - Electric lighting: TK4255
 - Electrical engineering: TK3201+
 - Space vehicles: TL1102.W57
 - Telephone circuits: TK6341+
 - Woad
 - Textile dyes: TP925.W8
 - Wok cooking: TX840.W65
 - Wolfram ores: TN490.T9
 - Wollastonite
 - Mining engineering: TN948.W6
 - Women
 - Hairdressing: TT972+
 - Nutrition: TX361.W55
 - Photographic portraits: TR681.W6
 - Women clerks (Retail trade)
 - Photographic portraits: TR681.W62
 - Women engineers: TA157.5
 - Women, Home arts for: TT697+
 - Women in engineering: TA157.5
 - Women in technology: T36
 - Women's tailoring: TT500+, TT519.5+
- Wood
 - Aeronautics: TL699.W6
 - Chemical processing: TS920+
 - Composition and chemistry: TS932+
 - Engineering materials: TA419+
 - Fire-resistive building construction: TH1073
 - Fuel: TP324
 - Housing material: TH4818.W6
 - Motor vehicle construction materials: TL240.5.W64
 - Packaging materials: TS198.3.W6
 - Pavements: TE253
 - Railway construction: TF254
 - Sidewalks: TE285
 - Stairbuilding: TH5667+
 - Trussed bridges: TG375
 - Utilization of waste: TP996.W6
 - Wood adhesives: TS857
 - Wood alcohol
 - Distilling: TP594
 - Wood bearings
 - Mechanical engineering: TJ1073.W6
 - Wood bending
 - Woodworking: TT190.8
 - Wood building construction: TH1101
 - Wood chips
 - Woodpulp industry: TS1176.6.W6
 - Wood distillation
 - Chemical technology: TP997
 - Wood finishing
 - Handicrafts: TT325+
 - Wood fuels
 - Central heating: TH7466.W66
 - Wood industry
 - Air pollution: TD888.W6
 - Waste control: TD899.W6
 - Wood products
 - Fire testing: TH9446.5.W66
 - Manufactures: TS840+
 - Wood staining
 - Wood finishing: TT345
 - Wood-steel I-beams
 - Structural engineering: TA660.S67
 - Wood stove heating
 - Convective heating: TH7437+
 - Wood stoves
 - Convective heating: TH7438+
 - Cooking: TX657.S9
 - Wood technology
 - Manufactures: TS800+
 - Wood-using industries
 - Energy conservation: TJ163.5.W66
 - Environmental effects: TD195.W6
 - Wood vinegar
 - Chemical technology: TP248.A18
 - Wood waste
 - Environmental pollutants: TD196.W66
 - Waste disposal: TD810

INDEX

- Woodburning
 - Woodworking: TT199.8
- Woodburytype
 - Photography: TR995
- Wooden ceilings
 - Building: TH2533.W66
- Wooden construction
 - Structural engineering: TA666+
- Wooden dams: TC545
- Wooden domes
 - Building design and construction: TH2170.85
- Wooden flooring
 - Building construction: TH2529.W6
- Wooden stairbuilding
 - Building construction: TH5670+
- Wooden toys
 - Handicrafts: TT174.5.W6
- Wooden trestles
 - Bridge engineering: TG365
- Woodpulp, Articles manufactured from: TS1177
- Woodpulp industry
 - Paper manufacture: TS1171+
 - Waste control: TD899.W65
 - Water pollution: TD428.W65
- Woodshops: TT185.5
- Woodworking
 - Handicrafts: TT180+
- Woodworking, Industrial
 - Manufactures: TS840+
- Woodworking industries
 - Dust removal: TH7697.W6
 - Fire prevention and extinction: TH9445.M6
 - Noise control: TD893.6.W65
- Wool
 - Dyeing: TP899
 - Textile fiber: TS1547
- Wool substitutes
 - Woolen manufactures: TS1630
- Woolen machinery
 - Woolen manufactures: TS1633
- Woolen manufactures: TS1600+
- Worcestershire sauce
 - Cooking: TX819.W65
- WordPerfect
 - Web authoring software: TK5105.8885.W65
- WordPress
 - Web authoring software: TK5105.8885.W66
- Work clothes: TT649
- Work design
 - Industrial engineering: T60.8
- Work diagrams
 - Mechanical engineering: TJ173
- Work measurement
 - Industrial engineering: T60+
- Work sampling
 - Industrial engineering: T60.55
- Work study
 - Industrial engineering: T60+
- Workbenches
 - Woodworking: TT197.5.W6
- Workers
 - Nutrition: TX361.W6
- Working at heights
 - Industrial safety: T55.3.H45
- Working class
 - Photographic portraits: TR681.W65
- Working drawings
 - Mechanical drawing: T379
 - Photographic reproduction processes: TR920+
- Working environment
 - Human engineering in industry: T59.77
- Working women
 - Nutrition: TX361.W7
- Workmanship, Inspection of
 - Management of engineering works: TA191
- Workshop practice
 - Handicrafts: TT153+
- Workshop tools
 - Handicrafts: TT153+
- Workshops
 - Artificial lighting: TH7975.F2
 - Dust removal: TH7697.F2
 - Electric lighting: TK4399.F2
 - Handicrafts: TT152
 - Motorcycles: TL444.5
- World Wide Web
 - Internet: TK5105.888+
- Worm gears
 - Mechanical movements: TJ200
- Wormhole routing
 - Computer networks: TK5105.54873.W67
- Worsted machinery
 - Woolen manufactures: TS1633
- Wrapping
 - Packaging: TS198.W7
- Wrapping machines: TJ1550
- Wreaths
 - Decorative crafts: TT899.75
- Wrecking
 - Building construction: TH447
- Wrecking cars
 - Railway equipment: TF490
- Wrecking industry
 - Waste control: TD899.W73
- Wrenches
 - Handtools: TJ1201.W8
- Writing
 - Telegraph: TK5545
- Writing, Technical: T11+
- Wrought iron: TA469+
- Metallurgy: TN720+
- Wrought-iron work
 - Handicrafts: TT240

INDEX

X

X-15 program: TL789.8.U6X5
 X.500
 Computer network protocols: TK5105.587
 X-ray lasers
 Applied optics: TA1707
 X-ray optics, Applied: TA1775
 X-ray tubes: TK7871.79.X2
 Xenium
 Chemical technology: TP245.X4
 Xenobiotics
 Effect on food: TX571.X45
 Xerography
 Electrostatic printing: TR1045
 Xuan zhi: TS1169
 XY plotters
 Computer engineering: TK7887.8.X18
 Xyloles
 Chemical technology: TP248.X9
 Xylose
 Chemical technology: TP248.X95

Y

Y tracks
 Railway structures: TF274
 Yahoo!: TK5105.885.Y34
 Yamaha motorcycle: TL448.Y3
 Yard drainage
 Plumbing: TH6671.F6
 Yard management
 Trains: TF590+
 Yard waste
 Waste disposal: TD810.5
 Yarn
 Textile industries: TS1449
 Yashica cameras
 Photography: TR263.Y3
 Yaw
 Aerodynamics: TL574.M6
 Motor vehicle dynamics: TL245.2
 Yeast
 Brewing and malting: TP580+
 Food values: TX560.Y4
 Leavening agents and baking aids: TP433
 Yeast biotechnology: TP248.27.Y43
 Yemenite Jewish style cooking: TX724.2.Y46
 Yield strength
 Temperature effects: TA418.24+
 Yield stress analysis
 Structural analysis: TA652
 Yogurt
 Cooking: TX759.5.Y63
 Nutrition: TX380
 Young men
 Photographic portraits: TR681.Y58

Youth

 Nutrition: TX361.Y6
 Photographic portraits: TR681.Y6

Ytterbium

 Chemical technology: TP245.Y8

Yttrium

 Chemical technology: TP245.Y9
 Engineering materials: TA480.Y8

Yurts

 Construction: TH4870

Z

ZBrush (Computer graphics): T386.Z33
 Zebra mussel
 Water pollutants: TD427.Z43
 Zeiss cameras
 Photography: TR263.Z4
 Zener diodes
 Semiconductors: TK7871.89.Z46
 Zeolites
 Mining engineering: TN948.Z4
 Zeppelin: TL658.Z4
 Zilog Model Z-80 computer: TK7889.Z54
 Zinc
 Chemical technology: TP245.Z7
 Electronics: TK7871.15.Z56
 Electroplating: TS692.Z5
 Engineering and construction: TA480.Z6
 Environmental pollutants: TD196.Z56
 Manufactures: TS640
 Metallurgy: TN796
 Ore deposits and mining: TN480+
 Powder metallurgy: TN697.Z54
 Prospecting: TN271.Z5
 Zinc batteries
 Electricity production: TK2945.Z55
 Zinc oxide
 Chemical technology: TP936+
 Zippers
 Women's tailoring: TT557
 Zirconium: TN490.Z5
 Chemical technology: TP245.Z8
 Engineering materials: TA480.Z65
 Metallography: TN693.Z5
 Metallurgy: TN799.Z5
 Zone melting
 Chemical engineering: TP156.Z6
 Electrometallurgy: TN686.5.Z6
 Zoning
 Airports: TL725.3.Z6
 Zoom lenses
 Photography: TR271.Z65
 Zope
 Web authoring software: TK5105.8885.Z65
 Zucchini
 Cooking: TX803.Z82